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# MEMOIRS

OF

# THE GEOLOGICAL SURVEY OF INDIA

VOLUME XLIII, PART 1.

INDIAN GEOLOGICAL TERMINOLOGY. BY SIR THOMAS H. HOLLAND, K.C.I.E., F.R.S., *Professor of Geology, Victoria University of Manchester, and* G. H. TIPPER, M.A., F.G.S., *Geological Survey of India.*

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# MEMOIRS

OF

# THE GEOLOGICAL SURVEY OF INDIA

VOLUME XLIII, PART 2.

A DESCRIPTIVE CATALOGUE OF THE METEORITES COMPRISED IN THE COLLECTION OF THE GEOLOGICAL SURVEY OF INDIA, CALCUTTA (ON AUGUST 1ST, 1914). BY J. COGGIN BROWN, M.SC., F.G.S., *Assistant Superintendent, Geological Survey of India.*

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## A Descriptive Catalogue of the Meteorites comprised in the Collection of the Geological Survey of India, Calcutta (on August 1st, 1914).

By J. Coggin Brown, M. Sc., F. G. S., *Assistant Superintendent, Geological Survey of India.*

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### INTRODUCTION.

The meteorite collection of the Geological Survey of India, which is exhibited in the north-west corner room on the ground floor of the Indian Museum in Calcutta, between the gallery of vertebrate fossils and the rock and mineral gallery, is the largest in Asia, and by reason of the number, variety, beauty and rarity of its specimens, one of the most important in the world.

It originated in the purchase by the Government of India in 1865, of Professor Robert Philip Greg's whole collection. In the year 1868, it was amalgamated with the specimens which up to that date were in the possession of the Asiatic Society of Bengal, and since then has been augmented by Indian falls officially received and by donations and exchanges, until at the present time it contains 379 meteorites the weights of which are given later.

The first catalogue of the collection was prepared by Thomas Oldham, first Director of the Geological Survey of India, and published in 1867. (Catalogue of the Meteorites in the Museum of the Geological Survey of India, Calcutta, 1867.) In 1879-80, the combined collection was rearranged and catalogued by F. Fedden, Assistant Superintendent, Geological Survey of India. (Popular Guide to the Geological Collections in the Indian Museum, Calcutta,

No. 3 Meteorites. Calcutta, November 1880.) In 1901, T. R. Blyth, Assistant Curator, Geological Survey of India, compiled an appendix to Fedden's catalogue. (Catalogue of Meteorites in the Indian Museum, Calcutta, to August 1901.)

In these earlier catalogues the meteorites are divided into two groups,—Stones and Irons, and each group is arranged in the order in which the specimens were received into the collection. The rearrangement of names herein adopted is purely an alphabetical one, as this catalogue is intended for reference, though in the taxonomic classification in the first pages, and in the detailed description of the individual falls, the system of Rose-Tschermak-Brezina, with minor modifications by other authorities, is utilised. It is admitted that this system is weak in certain features, yet it is the best one available, and it is followed in the description and arrangement of nearly all the great collections of Europe and America.

The names by which the falls are designated have been most carefully chosen, and when they differ from those given in the earlier catalogues, it is only because the latter are obsolete, though in every instance where this is the case, the former names themselves are also supplied. It is highly desirable that these should be entirely omitted in any future edition, for meteorite literature is already sufficiently overburdened by synonyms. The name by which a meteorite is distinguished should be that of the nearest named locality in the case of new falls so that the place of fall or find may quickly be located. This fact has had to be balanced against historic usage and precedence in the case of old falls. It would be quite possible to re-name many Indian meteorites, which fell last century, more accurately from this point of view than they are known at present, but as such a plan would lead to confusion in and disturbance of the very considerable literature which has grown around most of them, it was felt best to keep to the names by which they were originally known. In the near future I hope to bring out a list of all Indian meteorites with exact particulars of their localities as well as certain unpublished accounts of the falls of some of them which have been found in the archives of the Geological Survey office.

Considerable discrepancy exists amongst various authors with regard to dates of fall or find of certain meteorites. Where dates given by Oldham or Fedden have been altered, it is only on the united testimony of the most authoritative catalogues, confirmed in many instances by references to the original accounts themselves.

The compilation of a work of this nature is impossible without the help derived from others, and I have to acknowledge free use of the London, Vienna, Paris, Berlin, Washington and Chicago catalogues by Fletcher, Brezina, Berwerth, Meunier, Klein, Tassin, Ward and Farrington respectively. In addition to these I am also indebted in no small degree to the classical works of Wulfing, Cohen and others. The weights of falls which are only represented by fragments of less than 0·5 gram are not given. The names of Indian falls are printed in italics (*e.g. AKBARPUR*) and the first reference to them in literature is added.

Finally, it is hoped that this catalogue will not only serve a useful purpose in the conservation and building up of the Calcutta collection, but that it will also help in the advancement of our knowledge of meteorites in general. In this connection, attention may be drawn to the fact that I have determined the position of the following falls which were left unclassified by Wulfing,—Kakangarai, Linum, Nageria, Perth, Sabet Mahet. I have also provisionally classified numerous recent Indian falls including—Bholgati, Delhi, Donga Kohrod, Haraiya, Kamsagar, Karkh, Kuttippuram, Lakangaon, Meerut, Mirzapur, Shupiyan.

## CLASSIFICATION OF THE CALCUTTA COLLECTION.

Brezina's classification was first employed in his catalogue of the meteorites of the Vienna Museum in 1885. In a second catalogue published in 1896, it was repeated with certain modifications due to advances in the science since the first one appeared. Its latest expression is to be found in the Ward-Coonley catalogue for 1904, and in a paper by Brezina himself entitled "The Arrangement of Collections of Meteorites" (*Proc., Am. Phil. Soc.*, Vol. XLIII, 1904 pp. 211-247.).

In this classification meteorites are first divided into achondrites, chondrites and siderites. The achondrites are subdivided into a number of groups characterised by more or less definite mineralogical composition. In the case of the chondrites the subdivisions are based mainly on physical appearance and structure after the separation of the enstatite-anorthite chondrites and the siderolites. The siderites, after the separation of the lithosiderites are grouped into octahedrites, hexahedrites and ataxites, each of which is still further subdivided. As Farrington has shown recently so far as iron meteorites are concerned, the system built up by the researches of Rose, Tschermak, Brezina and Cohen, is a quantitative one (*Field Col. Mus., Pub. 1907, Geol. Ser.*, Vol. 3, pp. 106-110.). The same author has lately suggested a quantitative classification for stone meteorites, the principles of which are the same as those proposed for terrestrial rocks by Cross, Iddings, Pirsson and Washington (Quantitative Classification of Igneous Rocks, Chicago, 1903.). As many stone meteorites have not been analysed and as the chemical composition of a still greater number is but indifferently known, the system cannot be applied universally at present, whatever its merits may be.

## I. STONES. SILICATES PREVALENT.

### A.—Achondrites.

Stones poor in Nickel-iron. Essentially without round chondri.

1. *Chladnite, Chl.*—Chiefly bronzite.
   Manegaon, Shalka.
2. *Veined Chladnite, Chla.*—Bronzite with black or metallic veins.
   Bishopville.
3. *Angrite, A.*—Chiefly augite.
4. *Chassignite, Cha.*—Chiefly olivine.
   Chassigny.
5. *Bustite, Bu.*—Bronzite with augite.
   Busti.
6. *Amphoterite, Am.*—Bronzite with olivine.
   Manbhoom.
7. *Rodite, Ro.*—Bronzite with olivine ; breccia-like.
8. *Eukrite, Eu.*—Augite with anorthite.
   Constantinople, Jonzac, Juvinas, Lakangaon, Nageria, Stannern.
9. *Shergottite, She.*—Augite with maskelynite.
   Sherghotty.
10. *Howardite, Ho.*—Bronzite, olivine, augite and anorthite.
    Bialystock, Luotolaks, Massing, Nobleborough, Petersburg.
11. *Breccia-like Howardite, Hob.*—Bronzite, olivine, augite and anorthite ; breccia-like.
12. *Leucituranolite, L.*—Leucite, anorthite, augite and glass.

### B.—Chondrites.

Bronzite, olivine and nickel-iron, with round or round and polyhedric chondri.

13. *Howarditic Chondrite, Cho.*—Polyhedric secretions prevailing, round chondri scarce. Crust partly bright.
    Borgo San Donino, Harrison County, Krähenberg, Siena, Sitathali.

14. *Veined Howarditic Chondrite, Choa.*— Polyhedric secretions prevailing, round chondri scarce. Black or metallic veins.
Lalitpur.

15. *White Chondrite, Cw.*—White, rather friable mass with scarce mostly white chondri.
Bachmut, Delhi, Dolgovoli, Hacienda de Bocas, Haraiya, High Possil, Kusiali, La Bécasse, Linum, Mascombes, Mauerkirchen, Milena, Moradabad, Oesel Island, Ogi, Tourinnes-la-grosse.

16. *Veined White Chondrite, Cwa.*—White, rather friable mass with scarce, mostly white chondri. Black or metallic veins.
Angers, Asco, Aumières, Bhagur, Buschhof, Castine, Chandpur, Drake Creek, Forsyth, Futtehpore, Girgenti, Honolulu, Jigalowka, Kalambi, Killeter, Kuleschovka, Les Ormes, Lissa, Lucè, Maêmê. Marion, Mocs, Pirgunje, Pohlitz, Ski, Wold Cottage, Zaborzika.

17. *Breccia-like White Chondrite, Cwb.*—White, rather friable mass with scarce, mostly white chondri. Breccia-like.
Monte Milone, Pacula, Uden.

18. *Intermediate Chondrite, Ci.*—Firm, polishable mass with white and grey chondri breaking with matrix.
Alfianello, Butsura, Canellas, Chandakapur, Charwallas, Deal, Dhurmsala, Dokachi, Donga Kohrod, Favars, Meerut, Mhow, Perth.

19. *Veined Intermediate Chondrite, Cia.*—Firm, polishable mass, with white and grey chondri breaking with matrix. Black or metallic veins.
Agen, Bath Furnace, Berlanguillas, Bori Château Renard, Dandapur, Durala, Duruma, Gambat, Long Island, Macao, Mainz, Mirzapur, Nerft, New Concord, Salles, Toulouse, Unknown fall, Vouillé.

20. *Breccia-like Intermediate Chondrite, Cib.*—Firm, polishable mass, with white and grey chondri breaking with matrix. Breccia-like.
L'Aigle, Luponnas, Mirzapur, Pulsora, Shythal, St. Mesmin, Vishnupur.

21. *Grey Chondrite, Cg.*—Firm, grey mass with chondri of various kinds breaking with the matrix.

Banswal, Botschetschki, Esnandes, Karkh, Khohar, Knyahinya, Seres.

22. *Veined grey chondrite, Cga.*— Firm, grey mass with chondri of various kinds breaking with the matrix. Black or metallic veins.
Aldsworth, Alessandria, Apt, Barbotan, Blansko, Charsonville, Darmstadt, Gruneberg, Kadonah, Kakowa, Kerilis, Limerick, Lixna, Monroe, Ohaba, Parnallee, Udipi, Umbala, Wessely.

23. *Breccia-like grey chondrite, Cgb.*— Firm, grey mass with chondri of various kinds, breaking with the matrix. Breccia-like.
Akbarpur, Assam, Barratta, Chantonnay, Doroninsk, Homestead, Khetri, Mexico, Mezo-Madaras, Molina, Nulles, Okniny, Pultusk, Slavetic, Supuhee.

24. *Orvinite, Co.*—Black, infiltrated mass, fluidal texture; surface uneven, crust interrupted.

25. *Tadjerite, Ct.*—Black, semi-glassy, crust-like mass.

26. *Black Chondrite, Cs.*—Dark or black mass, chondri of various kinds breaking with the matrix.
Bishnupur, Grosnaja, McKinney, Renazzo.

27. *Veined black chondrite, Csa.*—Dark or black mass, chondri of various kinds breaking with the matrix. Black or metallic veins.
Farmington.

28. *Ureilite, U.*—Black mass, chondritic or granular. Iron in veins or incoherent.
Dyalpur. Goalpara.

29. *Carbonaceous chondrite, K.*—Dull black, friable chondrite, with free carbon; low specific gravity. Nickel-iron nearly or wholly wanting.
Alais, Cold Bokkeveld, Kaba, Mighei, Nawapali, Orgueil Tonk.

30. *Spherical carbonaceous chondrite, Kc.*—Dull grey or black mass, friable, with free carbon; chondri, not breaking with matrix; metallic nickel-iron.
Lancé.

31. *Veined spherical carbonaceous chondrite, Kca.*—Dull black, firm mass, with free carbon; chondri not breaking with matrix; metallic veins.
Indarch.

32. *Spherical chondrite, Cc.*—Friable mass with hard, radiated chondri, not breaking with matrix.

Albareto, Ausson, Benares, Bjelaja-Zerkov, Borkut, Chainpur, Eichstadt, Epinal, Gopalpur, Gross Divina, Hessle, Jhung, Judesgeri, Kaee, Kakangarai, Kheragu, Krasnoi Ugol, Little Piney, Mount Browne, Mudoor, Nanjemoy, Quenggouk, Searsmont, Sindhri, Slobodka, Soko-Banga, Timochin, Yatoor, Zebrak.

33. *Veined spherical chondrite, Cca.*—Friable mass with firm chondri of radiate structure, not breaking with matrix. Black or metallic veins.

Bjurbole, Nammianthal, St. Denis-Westrem, Trenzana, Utrecht.

34. *Breccia-like spherical chondrite, Ccb.*—Friable, breccia-like mass with firm chondri of radiate structure, not breaking with matrix.

Bath, Bremervörde, Cereseto, Forest City, Gütersloh, Heredia, Mooresfort, Pirthalla, Tabor, Tabory, Waconda, Weston.

35. *Ornansite, Cco.*—Friable mass of chondri.
Allegan, Ornans.

36. *Ngawite, Ccn.*—Friable, breccia-like mass of chondri.

37. *Crystalline spherical chondrite, Cck.*—Slightly friable crystalline mass, with hard chondri of radiate structure, some breaking with matrix.

Ambapur Nagla, Beaver Creek, Khairpur, Menow, Richmond, Sabet Mahet, Saline Township.

38. *Veined crystalline spherical chondrite, Ccka.*—Slightly friable, crystalline, veined mass, with hard chondri of radiate structure, some breaking with the matrix.

39. *Breccia-like crystalline spherical chondrite, Cckb.*—Slightly friable, crystalline, breccia-like mass, with firm chondri of radiate structure, some breaking with matrix.

40. *Crystalline chondrite, Ck.*—Hard, crystalline mass with firm chondri of radiate structure, breaking with matrix.
Cosina, Daniel's Kuil, Dundrum, Erxleben, Estacado, Gilgoin, Kleinwenden, Moti-ka-nagla, Ness County, Oakley, Pillistfer, Pokra, Segowlie, Stavropol.

41. *Veined crystalline chondrite, Cka.* Hard, crystalline, veined mass, with firm chondri of radiate structure, breaking with the matrix.
Kernouvé.

42. *Breccia-like crystalline chondrite, Ckb.*—Hard, crystalline, breccia-like mass, with firm chondri of radiate structure, breaking with the matrix.
Bluff, Ensisheim, Ergheo.

### C.—Enstatite-Anorthite-Chondrites.

Enstatite, anorthite and nickel-iron with round chondri.

43. *Crystalline Enstatite-Anorthite-Chondrite, Cek.*—Hard crystalline mass with firm chondri of radiate structure.
Hvittis.

### D.—Siderolites.

Transitions of Stones to Irons. Nickel-iron in the mass cohering and showing as separate grains in sections.

44. *Mesosiderite, M.*—Crystalline olivine and bronzite with nickel-iron.
Dona Inez, Estherville, Hainholz, Llano del Inca, Mincy, Veramin.

45. *Grahamite, Mg.*—Crystalline olivine, bronzite and plagioclase with nickel-iron.
Crab Orchard. Vaca Muerta.

46. *Lodranite, Lo.*—Granular, crystalline olivine and bronzite with nickel-iron.
Lodran.

## 2. IRONS. METALLIC CONSTITUENTS PREVAILING OR FORMING ENTIRE MASS.

### E.—Lithosiderites.

Transitions from Stones to Irons. Nickel-iron cohering in masses and in sections.

47. *Siderophyre, Si.* Grains of bronzite with accessory asmanite in the nickel-iron.
    Steinbach.
48. *Pallasite, Krasnojarsk Group, Pk.* Rounded crystals of olivine in the trias.
    Brenham Township, Krasnojarsk, Mount Vernon, Port Orford.
49. *Pallasite, Rokicky Group, Pr.*— Polyhedric crystals of olivine, partly broken, and fragments separated by nickel-iron.
    Admire, Brahin.
50. *Pallasite, Imilac Group, Pi.*—Olivine crystals cracked and compressed.
    Imilac.
51. *Pallasite, Albacher Group, Pa.*—Olivine crystals in fine, brecciated trias.
    Bitburg.

### F.—Octahedrites.

Kamacite, tænite and plessite in lamellæ and concamerations of the four octahedron faces.

52. *Finest Octahedrite, Off.*—Lamellæ up to 0·2 mm. in thickness.
    Ballinoo, Carlton, El Ranchito, Mukerop, Mungindi Salt River, Tazewell, Verchne Dnieprovsk.
53. *Fine Octahedrite, Victoria Group, Ofv.*—Lamellæ of troilite and schreibersite in fine trias.
    Victoria West.
54. *Fine Octahedrite, Of.*—Thickness of lamellæ 0·2—0·4 mm.
    Bella Rocha, Cambria, Charlotte, Chupaderos, Cuernavaca, Grand Rapids, Great Fish River, Jewell Hill, La Grange, Lion River, Madoc, Obernkirchen, Putnam County, Russel Gulch.

55. *Medium Octahedrite, Om.*—Thickness of lamellæ 0·5—1·0 mm.
Asheville, Burlington, Carthage, Casas Grandes, Charcas, Coopertown, Dellys, Denton County, Descubridora, Durango, Elbogen, El Capitan, Fort Pierre, Frankfort, Glorietta Mountain, Guilford County, Hraschina, Ilimae, Joel's Iron, Kenton County, La Caille, Lenarto, Luis Lopez, Marshall County, Merceditas, Misteca, Murfreesboro', Nejed, Nocoleche, Orange River, Petropavlosk, Plymouth, Rancho de la Pila, Red River, Roebourne, Ruff's Mountain, Schwetz, Seneca Falls, Staunton, Thunda, Toluca, Tonganoxie, Trenton, Verchne Udinsk, Wooster.

56. *Coarse Octahedrite, Og.*—Thickness of lamellæ 1·5—2 mm.
Bendego, Black Mountain, Bohumlitz, Canon Diablo, Cosby's Creek, Cranbourne, Green Brier County, Magura, Sarepta, Smithville, Tabarz, Wichita County, Youndegin.

57. *Coarsest Octahedrite, Ogg.*—Thickness of lamellæ 2·5 mm. and more.
Central Missouri, Mount Joy, Nelson County, Seelasgen, Union County.
Dakota.

58. *Brecciated Octahedrite, Kodaikanal Group, Obk.*—Brecciated fine octahedrite with silicate aggregates.
Kodaikanal.

59. *Brecciated Octahedrite, Netschaevo Group, Obn.*—Medium octahedrite with silicate aggregates.
Tula.

60. *Brecciated Octahedrite, Zacatecas Group, Obz.*—Aggregates of brecciated octahedral iron with spherules of troilite.
Santa Rosa, Zacatecas.

61. *Brecciated Octahedrite, N'Gourema Group, Obzg.*—Molten and drawn-out iron of the Zacatecas type.

62. *Brecciated Octahedrite, Copiapo Group, Obc.*—Brecciated coarsest octahedrite, with silicate aggregates.
Copiapo.

63. *Octahedrite, Hammond Group, Oh.*—Lamellæ speckled with dark or black points.
Reed City.

### G.—Hexahedrites.

Structure and cleavage hexahedral.

64. *Normal Hexahedrite*, H. Neumann lines without granular appearance.

    Braunau, Coahuila, Fort Duncan, Lime Creek, Pittsburg, Walker County.

65. *Granular Hexahedrite, Ha.*—Structure and cleavage running through the whole mass, which appears to be an aggregate of individual grains.

66. *Brecciated Hexahedrite, Hb.*—Mass consisting of differently oriented hexahedral grains.

### H.—Ataxites.

*Structure interrupted.*

67. *Cape Group, Dc.*—Rich in nickel. Sharp, hexahedral etched bands in dull mass.

68. *Shingle Springs Group, Dsh.*—Rich in nickel. Rounded and elongated blebs arranged in parallel rows.

69. *Babb's Mill Group, Db.*—Rich in nickel. Homogeneous mass without lustre.

    Babb's Mill, Botetourt, Oktibbeha County, Smithland.

70. *Linnville Group, Dl.*—Rich in nickel. Veined, meandering or latticed meshwork.

71. *Nedagolla Group, Dn.*—Poor in nickel. Granular. No ridges. Nedagolla.

72. *Siratik Group, Ds.*—Poor in nickel. Ridges, incisions or enveloped rhabdites.

    Campo del Cielo, Chesterville, Rasgata, Senegal.

73. *Primitiva Group, Dp.*—Poor in nickel. Silky streaks and lustre.

74. *Muchachos Group. Dm.*—Poor in nickel. Granular. Porphyritic with forsterite.

    Tucson.

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1881 . . . | ADMIRE, Lyons County, Kansas. | |
| | Iron-Stone. Pallasite, Rokicky group, Pr. One polished section showing nickel-iron and olivine. Structure brecciated. Much oxidised. Reg. No. 226 . . . . . | 112 |
| | Rusted fragments. Reg. No. 226 . . . . . | 4 |
| Fell 1814, September 5 . | AGEN, Lot et Garonne, France. | |
| | Stone. Veined intermediate chondrite, Cia. Fragment with crust. Interior dirty grey much stained by rusting. Reg. No. 107 . . . . . | 18·4 |
| | Fragment with crust, which is dull black and rough. One side polished exhibiting a light grey interior traversed by well marked veins of a darker colour. Contains lighter coloured chondri and many bright metallic grains. Reg. No. 107. . . . . | 6·2 |
| | AGRAM, *see* HRASCHINA. | |
| Fell 1838, April 18 . . | *AKBARPUR*, Saharanpur District, United Provinces, India. | |
| | Stone. Brecciated grey chondrite, Cgb. Small fragment with crust, cut and polished on four sides. Crust dull black, thin, rather rough. Interior dark grey traversed by a thick vein of black material. Dark chondri and metallic patches evenly distributed. Reg. No. 76 . . . . . | 4·7 |
| | 1854 : Greg : *Phil. Mag.*, p. 460. | |
| Fell 1806, March 15 . . | ALAIS, Gard, France. | |
| | Stone. Carbonaceous chondrite, K. Coarse, dull black powder and grains. Very friable. Reg. No. 70 . . . | 5 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1766, July 15 . . | ALBARETO, Modena, Italy.<br>Stone. Spherical chondrite, Cc. Small fragment from interior. Light grey, with darker, protruding, spherical chondri. Reg. No. 56 . . . | 2·9 |
| Fell 1835, August 4 . . | ALDSWORTH, Gloucestershire, England.<br>Stone. Veined grey chondrite. Cga. Small fragment with crust, one surface polished. Crust dull black, thin, rather rough. Interior dark grey with chondri, dark patches and metallic points. Fine black veins plainly visible. Reg. No. 58 . . . . | 3·4 |
| Fell 1860, February 2 . | ALESSANDRIA, Piedmont, Italy.<br>Stone. Veined grey chondrite, Cga. Fragment from interior. Grey with black veins, greyish-white chondri and shining metallic points. Reg. No. 53 | 2·5 |
| Fell 1883, February 16 . | ALFIANELLO, Brescia, Italy.<br>Stone. Intermediate chondrite, Ci. Fragment from interior with three smoothed faces, fine grained, ash-grey, with lighter chondri and rusted metallic spots. A large grain of troilite is visible on the broken side. Reg. No. 195 . . . | 29·6 |
| Fell 1899, July 10 . . | ALLEGAN, Allegan County, Michigan, United States of America.<br>Stone. Spherical chondrite, ornansite, Cco. Fragment from interior, friable, grey with darker grey easily separable chondri and many shining metallic points. Reg. No. 219 | 28 |
| | AMALIA FARM, *see* MUKEROP. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1895, May 27, about 1 A. M. | *AMBAPUR NAGLA*, Aligarh District, United Provinces, India. | |
| | Stone. Crystalline spherical chondrite, Cck. Largest piece of stone with crust. The latter is dull black, rough, thin and easily removed in patches. Interior dark grey, hardly friable, with protruding chondri, small olivine crystals and rusted iron spots. Reg. No. 201-A . | 2,909 |
| | Large piece with similar characters though the chondri are bigger. Reg. No. 201-B . | 868 |
| | Fragment with similar characters. Reg. No. 201-A. 3 . . | 77 |
| | Fragment with crust. Reg. No. 201-A. 4 . . . . | 26 |
| | Fragment with crust. Reg. No. 201-B. 2 . . . . | 44 |
| | Small fragment. Reg. No. 201-B. 4 | 11 |
| | Small fragments and dust. Reg. Nos. 201-B. 5 and 201-A. 6 . | 11 |
| | 1906 : Klein : *Berlin Sammlung*, p. 92. | |
| Fell 1822, June 3 . . | ANGERS, Maine-et-Loire, France. | |
| | Stone. Veined white chondrite. Cwa. Fragment with crust. The latter is dull black. Interior greyish-white with grey chondri and shining metallic points. Reg. No. 28 . . | 0·6 |
| Fell 1803, October 8 . . | APT (SAURETTE), Vaucluse, France. | |
| | Stone. Veined grey chondrite. Cga. Small fragment with crust. The latter is 0·5 mms. thick and dull black. Interior grey with indistinct chondri and rusted spots. Reg. No. 12 | — |
| | ARVA, *see* MAGURA. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1805, November . . | ASCO, Corsica. | |
| | Stone. Veined white chondrite. Cwa. Small fragment with crust which is shining black with reddish stains. Interior white with small darker chondri. Reg. No. 31 . . | 0·9 |
| Described 1839 . . . | ASHEVILLE (BAIRD'S FARM), Buncombe County, North Carolina, United States of America. | |
| | Iron. Medium octahedrite, Om. One small polished fragment. Reg. No. 25-I . . | 5·7 |
| | Fragments of rusted crust. Reg. No. 25-I . . . | 1·4 |
| Found 1846 . . . | *ASSAM*, India. (This stone was found in Calcutta but is supposed to have come from Assam). | |
| | Stone. Brecciated grey chondrite, Cgb. Large piece with crust and polished and broken surfaces. Crust dull black with fused metallic grains and fairly deep pittings. Interior dark grey with light grey chondri and small metallic grains. Larger chondri and rusted spots are also present. Brecciated structure well marked. Reg. No. 160 . | 289 |
| | Small fragment with crust. Similar to previous specimen. Reg. No. 160 . . . | 14 |
| | 1846 : Piddington : *Journ. Asiatic Soc. Bengal*, Vol. XV, p. 46. | |
| | ATACAMA BOLIVIA, *see* JOEL'S IRON. | |
| | ATACAMA DESERT, *see* JOEL'S IRON AND ILIMAË. | |
| Fell 1842, June 3 . . | AUMIÈRES, Lozère, France. | |
| | Stone. Veined white chondrite. Cwa. Fragment with crust. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1842, June 3 . . | AUMIÈRES—*contd.* Interior mottled light and dark grey, with minute, shining, metallic grains, some ferruginous staining present, chondri not visible. Friable. Crust, dark reddish-grey, thin. Reg. No. 52 . . . | 2·5 |
| Fell 1858, December 9 . | AUSSON (CLARAC), Haute Garonne, France. Stone. Spherical chondrite, Cc. Large fragment with crust. The latter is dull black, rough, traversed by fine cracks and contains large pittings. Interior shows large dark chondri embedded in a light grey groundmass full of smaller chondri and flecked with rusty stains. Reg. No. 156 . . . . . | 320 |
| Known 1842 . . . | BABB'S MILL, Green County, Tennessee, United States of America. Iron. Ataxite, Babb's Mill group, Db. Polished slab. A shining, homogeneous mass. Reg. No. 70 . . . | 65 |
| Fell 1814, February 15 . | BACHMUT, Ekaterinoslav, Russia. Stone. White chondrite, Cw. Large fragment from interior, three surfaces polished. Dark grey with large lighter and darker chondri and shining metallic grains. Reg. No. 146 | 113 |
| | Fragment from interior. The metallic grains show some oxidation. Reg. No. 146 . | 17 |
| | Fragment with crust which is dull black and somewhat cracked. Reg. No. 146 . | 15 |
| | BACUBIRITO, *see* EL RANCHITO. | |
| | BAIRD'S FARM, *see* ASHEVILLE. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1892 . . . | BALLINOO, Murchison River, Western Australia.<br>Iron. Finest octahedrite, Off. Polished and etched slab with crust. The surface of the latter is smooth and only slightly oxidised, indicating a recent fall. Etched surface has a stippled appearance. Reg. No. 140. . . . | 302 |
| Fell 1913, January 12, about 6 P. M. | *BANSWAL*, Dehra Dun District, United Provinces, India.<br>Stone. Grey chondrite, Cg. Small fragments showing interior and crust. The latter is dull black, marked by small brighter patches, slightly scoriaceous, pitted. Interior fairly coherent, bluish-grey speckled with small patches of lighter colour. Minute sparkling points and rusted spots are visible. Reg. No. 254 . . . . . | 13 |
| | 1913: Coggin Brown: *Rec., Geol. Surv. Ind.*, Vol. XLIII, Pt. 3, pp. 237-240. | |
| Fell 1790, July 24 . . | BARBOTAN, Landes, France.<br>Stone. Veined grey chondrite, Cga. Fragment with crust and polished surface. The crust is dull black and thin. The interior is grey and shows chondri, numerous fine metallic grains, rusted spots and veins. Reg. No. 130 . . | 42 |
| Fell 1910, September 15 . | *BAROTI*, Bilaspur, Simla Hill States, Punjab, India.<br>Stone. Piece with crust. Interior whitish-grey with minute metallic grains. Crust thin, black, cracked. Rather friable. Reg. No. 251 . | 37 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1910, September 15 . | *BARROTI—contd.*<br>Five small fragments, one of which has a little crust. Reg. No. 251 . . . | 7·5 |
| | Minute fragments and dust. Reg. No. 251 . . . | 1 |
| | 1912: Cotter: *Rec., Geol. Surv. Ind.*, Vol. XLII, Pt. 4, pp. 273-274. | |
| Found 1845 . . | BARRATTA, Deniliquin, New South Wales.<br>Stone. Brecciated grey chondrite, Cgb. Large mass with crust and polished surfaces. Interior hard, largely made up of grey and white chondri of various sizes. Nickel-iron abundant, and often concentrically developed around the chondri. Crust thin, rusty black, irregular, pitted. Reg. No. 222 . . . . | 506 |
| Fell 1892, August 29 . . | BATH, Brown County, South Dakota, United States of America.<br>Stone, Brecciated spherical chondrite, Ccb. Large piece with crust and two polished surfaces. The crust is dull black, very thin, papillated and somewhat blebby. Interior ash-grey, of fine granular structure, flecked with rusted spots and small, bright metallic grains. Dark chondri common. Reg. No. 211 . | 227 |
| Fell 1902, November 15 . | BATH FURNACE, Bath County, Kentucky, United States of America.<br>Stone. Veined intermediate chondrite, Cia. Slice with crust and three polished surfaces. Interior grey, with large rusted patches thickly sprinkled with darker and | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1902, November 15 . | BATH FURNACE—*contd.* lighter chondri and abundant metallic grains. Crust black, thin and smooth. Reg. No. 225 . . . . . | 28 |
| | *BATSURA*, see *BUTSURA*. | |
| Fell 1893, May 26 . . | BEAVER CREEK, West Kootenai District, British Columbia. Stone. Crystalline spherical chondrite, Cck. Piece with two polished surfaces. Interior dark grey, firm, coarse granular structure, stained brown with dark protruding chondri and fine metallic grains. Reg. No. 230 . . | 51 |
| Described 1889 . . . | BELLA ROCA, Durango, Mexico. Iron, Fine Octahedrite, Of. Thin slab with sawn, etched and natural faces. Exhibits Widmanstätten figures, large crystals of schreibersite partly removed, and troilite nodules. Reg. No. 122 . . . | 88 |
| Fell 1798, December 19 . | *BENARES* (*KRAKHUT*), United Provinces, India. Stone. Spherical chondrite, Cc. Fragment with crust. Interior dirty grey, fine-grained, crystalline, much stained. It shows dark chondri. Crust glossy black, smooth. Reg. No. 128 . . . . | 50 |
| | Fragment with crust. Interior dark grey with protruding darker chondri and metallic grains. Crust black and blebby. Reg. No. 127 . | 16 |
| | There is a marked difference between these two specimens, and I think that one of them has been incorrectly registered in the past. The smaller | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1798, December 19 . | *BENARES (KRAKHUT)—contd.* | |
| | specimen is from Greg's collection. He received it from the British Museum. The larger one is from the collection of the Asiatic Society of Bengal. | |
| | 1802: Howard: *Phil. Trans.*, pp. 175-179. | |
| Found 1784 . . . | BENDEGO, Bahia, Brazil. | |
| | Iron. Coarse octahedrite, Og. Piece with natural and polished surfaces. Reg. No. 53 | 47 |
| | Piece with natural and polished surfaces. Reg. No. 53 . | 2 |
| | An irregular rusted fragment. This specimen was previously catalogued as "Sergipe district east coast of Brazil." Reg. No. 34 . . . | 14 |
| Fell 1811, July 8 . . | BERLANGUILLAS, Burgos, Old Castile, Spain. | |
| | Stone. Veined intermediate chondrite. Cia. Small fragments with crust. Interior light grey with abundant metallic grains. Crust black, thin. Reg. No. 39 . . | 2 |
| Fell 1877, November 27 . | *BHAGUR (DHULIA)*, West Khandesh District, Bombay, India. | |
| | Stone. Veined white chondrite, Cwa. Small fragment from interior, greyish-white with sparkling metallic points and spherical impressions left by chondri. Friable. Reg. No. 244 . . . . . | 2·5 |
| | 1878-1880: *Journ. Bombay Branch Roy. Asiatic Soc.*, Vol. XIV, abstract of the Society's proceedings, pp. 3-6. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1877, November 27 . | *BHAGUR (DHULIA)—contd.*<br>1878 : Brezina : *Akad. Anzeiger Wien*, Vol. XV, pp. 213-214. | |
| Fell 1905, October 29, about 8·30 A.M. | *BHOLGHATI*, Deoli pargana. Maurbhanj State, Orissa, India.<br>Stone. Howardite Ho. Nearly complete individual with crust. Roughly tetrahedral in shape. Interior dark grey with many white, greenish and brownish angular and rounded patches some of which are $\frac{1}{4}$ to $\frac{3}{4}$ of an inch long. A few are composed of olivine and others resemble rather fine-grained rock fragments; together they cause this meteorite to resemble a volcanic rock containing phenocrysts and angular fragments in a dark, fine-grained matrix. Included black patches up to $\frac{1}{4}$ inch in diameter are also present. Crust thin, brownish-black, in some places dull, in others shining. The shining pieces form glossy specks and patches, the latter are often large. A few shallow pittings are present. Reg. No. 241 . | 1,000 |
| | Fragment with crust. Interior like previous specimen. Crust very scoriaceous. Reg. No. 241-B . . . . . | 28·6 |
| | Fragments with crust. Reg. No. 241. . . . . | 10 |
| | 1907 : Fermor : *Rec., Geol. Surv. Ind.*, Vol. XXXV, Pt. 2, pp. 83-85. | |
| Fell 1827, October 5 . . | BIALYSTOCK, Grodno, Russia.<br>Stone. Howardite, Ho. Two small fragments from interior, friable, greyish-white, with darker and lighter particles. Reg. No. 27 . . . | 0·6 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1843, March 25 . . | BISHOPVILLE, Sumter County, South Carolina, United States of America. | |
| | Stone. Veined chladnite, Chla. Piece with crust. The latter is vitreous and cracked. Interior light grey with white crystals of chladnite. Dark patches and rusty brown spots show the presence of metallic grains. Reg. No. 137 . . | 31 |
| | Like previous specimen, but crust more cracked. Friable. Reg. No. 137 . . . | 7 |
| | Fragments. Reg. No. 137 . | 4·9 |
| Fell 1895, April 26, 3 P.M.. | *BISHUNPUR*, Mirzapur District, United Provinces, India. | |
| | Stone. Black chondrite, Cs. Large flat piece with crust. Interior dark grey and black with medium sized white chondri and rust stains. Large chondri of olivine 11 mms. across occur. Crust thin, dull and glossy black, scoriaceous. Reg. No. 199-A | 428 |
| | Small piece of a separate stone which fell at Parjabatpur, over a mile from Bishunpur, with crust. Like previous specimen, but has no large chondri. Reg. No. 200 . | 62 |
| | 1896 : Brezina : *Wiener Sammlung*, pp. 253-254. | |
| Found 1802 . . . | BITBURG (ALBACHER MÜHLE), Rhenish Prussia. | |
| | Iron-Stone, Pallasite, Albach group, Pa. Piece showing pores and slaggy surface. Reg. No. 9 . . . | 43 |
| | Small fragment with two polished surfaces, showing pores. Reg. No. 9 . . . | 1 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1796, January 16 . | BJELAJA ZERKOV, Kiev, Russia.<br>Stone, spherical chondrite, Cc. Fragment with crust. The latter is black and blebby. Interior grey, deeply stained with rust, shows chondri composed of a dark crystalline mineral. Reg. No. 78 . | 5 |
| Fell 1899, March 12 . . | BJURBÖLE, Borga, Finland, Russia.<br>Stone. Veined spherical chondrite, Cca. Fragment from interior. Friable. Ash-grey flecked with rust spots, containing large and easily separable chondri. Reg. No. 218 | 36 |
| | Fragment from interior. Similar characters, but contains one very large chondrus. Reg. No. 218 . . . | 28 |
| Found about 1839 . . | BLACK MOUNTAIN, Buncombe County, North Carolina, United States of America.<br>Iron. Coarse octahedrite, Og. Fragment with natural and three polished surfaces. Reg. No. 47 . . . | 24 |
| Fell 1833, November 25 . | BLANSKO, Moravia, Austria.<br>Stone, Veined grey chondrite, Cga. Small fragment with crust. Interior dark grey with white and rusty spots, chondri barely visible. Crust dull black with shining black patches, thin. Reg. No. 41 . | 1 |
| Found 1878 . . . | BLUFF, Fayette County, Texas, United States of America.<br>Stone. Brecciated crystalline chondrite, Ckb. Large slice $20 \times 16 \times 1$ cms., partly edged with crust, one face polished. The latter is dark greenish-grey to black, of fine texture, | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1878 . . . | BLUFF—*contd.* full of chondri and scattered metallic grains. Crust reddish brown and decomposed. Reg. No. 206 . . . . | 1,328 |
| Found 1829 . . . | BOHUMILITZ, Bohemia, Austria. Iron. Coarse octahedrite, Og. Thin slab with natural, polished and etched surfaces. The latter shows Widmanstätten figures and small troilite nodules. Reg. No. 54 . | 22 |
| | BONANZA, *see* COAHUILA. | |
| Fell 1808, April 19 . . | BORGO SAN DONINO, Parma, Italy. Stone. Howarditic chondrite, Cho. Small fragments with crust. Interior light grey with darker chondri and rusty spots. Crust patchy, dull and shining black, thin. Reg. No. 65 . . . . | 5 |
| Fell 1894, May 9, about 4 P. M. | *BORI*, Betul District, Central Provinces, India. Stone. Veined intermediate chondrite, Cia. Largest piece of original mass with crust and fractured surface. Interior greyish-white speckled with darker grey and brownish-grey spots, and small sparkling metallic points. Chondri are not very distinct. Traversed by a thin, black, branching vein. Crust greyish-black with glossy black patches, thin, scoriaceous. Reg. No. 198-A. . . . | 4,928 |
| | Smaller fragment with crust, exhibiting similar characters. Reg. No. 198-F. . . . | 248 |
| | Small fragments with and without crust. Reg. No. 198(vii) | 93 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1894, May 9, about 4 P.M. | *BORI—contd.*<br>1895 : Brezina : *Wiener Sammlung*, p. 248.<br>Original weight 8.617 gms. | |
| Fell 1852, October 13 . | BORKUT, Marmoros, Hungary.<br>Stone. Spherical chondrite, Co. Fragments showing dark brownish-grey interior, with well developed chondri and thin black crust. Reg. No. 16 | — |
| Found 1862 . . . | BOTETOURT, Virginia, United States of America.<br>Iron, Ataxite, Babbs Mill group, Db. Small fragment with natural and polished surfaces. No structure can be seen on the latter. Reg. No. 6 .<br>The Vienna catalogue gives the date of find as 1850. | 0·5 |
| Fell 1823 . . . . | BOTSCHETSCHKI (KURSK GOVERNMENT), Kursk, Russia.<br>Stone. Grey chondrite, Cg. Small fragments with crust. Reg. No. 4 . . . . | — |
| Known 1810 . . . | BRAHIN, Minsk, Russia.<br>Iron-Stone. Pallasite, Rokicky group, Pr. Thick slab, with natural and etched surfaces. A sponge-like mass of dark, translucent, olivine crystals in a nickel-iron matrix. The latter shows delicate Widmanstätten figures. Crust rough, owing to dropping out of crystals. Reg. No. 100 .<br>Thin slab, with natural, polished and etched surfaces. Like previous specimen. Reg. No. 100 . . . . . | 227<br>27 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1847, July 14 . . | BRAUNAU (HAUPTMANNSDORF), Bohemia, Austria. | |
| | Iron. Normal hexahedrite, H. Slab with natural, polished and etched surfaces. The latter is stippled and crossed with intersecting lines. Crust black, thin and discontinuous. Reg. No. 93 . . . | 157 |
| | Piece with natural, polished and etched surfaces. The latter shows a network of fine lines. The former has a thin, black, discontinuous crust and is pitted with well-marked depressions. Reg. No. 93 . | 47 |
| | BRAVA, *see* ERGHEO. | |
| | BRAZOS RIVER, *see* WICHITA COUNTY. | |
| Found 1861 . . . | BREITENBACH. *See also* STEINBACH. Fragment with natural and two polished surfaces. A large mass of nickel-iron is set in a stony matrix. Reg. No. 56 . . | 47 |
| Fell 1855, May 13 . . | BREMERVÖRDE (GNARRENBURG), Hanover, Germany. | |
| | Stone. Brecciated spherical chondrite, Cch. Large slab with crust, polished and sawn surfaces. Interior streaked, dark-grey, brownish-grey and ash-grey, with large and small, light, and brownish-grey chondri, fine metallic grains and large sulphide spherules. Crust black to brownish-black, thin, minutely blebby, pitted. Reg. No. 161 . . . . | 393 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1855, May 13 . . | BREMERVÖRDE (GNARRENBURG)—*contd.* | |
| | Large fragment with crust, polished and fractured surfaces. The small darker chondri protrude on the fractured surface; larger ones are broken. Reg. No. 161 . | 128 |
| Found 1882 . . . | BRENHAM TOWNSHIP, Kiowa County, Kansas, United States of America. | |
| | Iron-Stone. Pallasite, Krasnojarsk group, Pk. Thin slab polished and etched, with natural surface. Structure porous, with the sponge-like pores filled with olivine crystals set in an iron matrix. These crystals have a tendency to drop out. Reg. No. 121 . . . . . | 60 |
| | Thin slab with natural edge in part, broken into two pieces and much rusted. Like previous specimen. Reg. No. 124 | 160 |
| Found before 1819 . | BURLINGTON, Otsego County, New York, United States of America. | |
| | Iron. Medium octahedrite, Om. Thick slab with natural, polished and etched surfaces. The latter shows delicate Widmanstätten figures. Reg. No. 89 . . . . . | 198 |
| Fell 1863, June 2 . . | BUSCHHOF, Courland, Russia. | |
| | Stone. Veined white chondrite, Cwa. Fragment from interior, dirty white with indistinct chondri, sparkling metallic points and light brown rust spots. Reg. No. 103 . . . . . | 16 |
| | Fragment with thin veinlets. Rather more discoloured by age. Reg. No. 103. . . | 10 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| **Fell 1862, December 2** . | *BUSTEE*, Basti District, United Provinces, India. | |
| | Stone, Bustite, Bu. Small fragment with crust. The latter greyish-black and very thin but outlines of white crystals can be seen through it. | |
| | Interior, achondritic, mottled white, greyish and brownish-grey. Reg. No. 96 . . | 7 |
| | Fragments, white, and grey and white, some of which show a glassy grey crust with black veins. Reg. No. 96 . . | 8 |
| | 1862: Reichenbach: *Pogg. Ann.*, Vol. CXV, pp. 620-636. | |
| | BUTCHER IRON, *see* COAHUILA. | |
| **Fell 1861, May 12** . . | *BUTSURA*, Champaran District, Bihar, India. | |
| | (Some of the stones of this scattered fall were obtained from Qutahar Bazar in the Gorakhpur District of the United Provinces, and others from Chairya, Piprassi and Bulluah, villages near Butsura. These synonyms should be discarded.) | |
| | Stone. Intermediate chondrite, Ci. Large mass with polished surface and crust. $32 \times 13 \times 8$ cms. The crust is dull black, thin, blebby and cracked. One surface is covered with broad depressions. Interior dark grey with large black chondri, and deep brown oxidation stains. Nickel-iron present in large amounts. Reg. No. 185 (1) . . | 4,903 |
| | Large mass with crust and sawn surface. Similar characters. Reg. No. 185 (2) . . . | 2,218 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1861, May 12 | *BUTSURA—contd.* | |
| | Complete slice, edged with crust, shows some large olivine chondri. Reg. No. 185 (3) | 401 |
| | Piece with crust and polished surface. Reg. No. 185 (4) | 222 |
| | Fragment with three polished surfaces. Reg. No. 185 (5) | 2 |
| | 1862 : Haidinger : *Wien. Akad. Ber.*, Vol. XLV, Pt. 2, pp. 665-671. | |
| | CABARRUS COUNTY, *see* MONROE. | |
| Found 1818 | CAMBRIA, Niagara County, New York, United States of America. | |
| | Iron. Fine Octahedrite, Of. One thin slab with natural, polished and etched surfaces. The latter shows Widmanstätten figures and two large troilite nodules. Reg. No. 78 | 57 |
| Found 1783 | CAMPO DEL CIELO, Argentine, South America. | |
| | Iron. Ataxite, Siratic group, Ds. One small piece with natural, polished and etched surfaces. Reg. No. 31 | 3·6 |
| | In Fedden's catalogue this meteorite is called "Wöhlers meteorite." According to Fletcher, the locality of the fall is unknown, but Wulfing and Brezina both regard it as identical with Campo del Cielo. | |
| | Irregular fragment with etched surface. Somewhat cracked. Reg. No. 51 | 40 |
| Fell 1861, May 14 | CANELLAS, near Barcelona, Spain. | |
| | Stone. Intermediate chondrite, Ci. Fragments with crust. Interior light grey with a few chondri and rust spots. Crust thin, dull black. Reg. No. 33 | 1 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1891 . . . | CAÑON DIABLO, Coconino County, Arizona, United States of America. | |
| | Iron. Coarse octahedrite, Og. Large mass with one etched surface, 37 × 27 cms. The Widmanstätten figures are very coarse. Large nodules of troilite and flakes of schreibersite are scattered through the mass. The crust is indented by numbers of deep pits. Reg. No. 131 . . | 38,669 |
| | Complete individual, perhaps scaled from a larger mass. Shows a smooth surface. Reg. No. 131 . . . | 543 |
| | Complete section of a small individual, edged with crust. Two etched faces show characteristic Widmanstätten figures and thin flakes of schreibersite. Reg. No. 131 (2) . . . | 55 |
| Noticed 1801 . . . | CAPE OF GOOD HOPE, Cape Province, South Africa. | |
| | Iron, Ataxite, Cape group, Dc. Thin polished slab, with natural surface. Nickel-white in colour. Reg. No. 42 . | 26 |
| Found 1887 . . . | CARLTON, Hamilton County, Texas, United States of America. | |
| | Iron, Finest octahedrite, Off. Thin slab with natural edge and etched surface. The latter shows delicate Widmanstätten figures of exceptional beauty, consisting of groups of parallel lines, running in two directions through the mass. Troilite occurs in a nodule and a thick vein. Reg. No. 136 . | 86 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| **Described 1846** . . | CARTHAGE, Smith County, Tennessee, United States of America. Iron. Medium octahedrite, Om. Slab with polished and etched faces, showing a little crust on the edge. The Widmanstätten figures are not well developed, the lines of taenite being very thin. A large troilite nodule is present. Reg. No. 99 (1) | 203 |
| | Small polished slab. Reg. No. 99 (2) . . . . . | 24 |
| **Reported 1867** . . . | CASAS GRANDES, Chihuahua, Mexico. Iron. Medium octahedrite, Om. Slab from interior with an etched face showing typical Widmanstätten figures. Reg. No. 151 . . . . | 69 |
| **Fell 1848, May 20** . . | CASTINE, Hancock County, Maine, United States of America. Stone. Veined white chondrite, Cwa. Small fragments with crust. Interior white with darker chondri, traversed by a delicate black vein. Crust dull black, thin. Reg. No. 10 | — |
| **Found about 1850-60** . . | CENTRAL MISSOURI, United States of America. Iron. Coarsest octahedrite, Ogg. One small fragment with very rusted crust. Reg. No. 153 . | 15 |
| **Fell 1840, July 17** . . | CERESETO, Piedmont, Italy. Stone. Brecciated spherical chondrite, Ccb. Fragments with crust. Interior light grey with rusted spots and bright metallic grains. Crust dull black. Reg. No. 20 . | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| | *CHAHARWALA*, see *CHARWALLAS*. | |
| Fell 1907, May 9, about 1-30 P.M. | *CHAINPUR*, Azamgarh District, United Provinces, India. | |
| | Stone. Spherical chondrite, Cc. Large mass with crust. The latter is very thin and glossy black; the structure of the stone can be seen through it. Interior slate-grey, rather friable. Large dark chondri, the largest of which are nearly 1 cm. across, project from the surface and smaller white ones have broken with the fracture. Grains of olivine are distinctly visible in places. Reg. No. 249-F. . . . . | 5,403 |
| | Large mass from interior. Reg. No. 249-A. . . . . | 1,448 |
| | Large mass with crust showing elongated grooves. Reg. No. 249-B. . . . . | 490 |
| | Large piece from interior. Reg. No. 249-C. . . . . | 365 |
| | Large piece from interior. Reg. No. 249-E. . . . . | 1,008 |
| | Small fragments and dust. Reg. Nos. 249-D. & G. . . . | 23 |
| | 1912: Cotter: *Rec., Geol. Surv. Ind.*, Vol. XLII, Pt. 4, pp. 268-272. | |
| | This fall took place at a group of villages on the borders of the Ghazipur and Azamgarh Districts, United Provinces. The meteorite is named from Chainpur, the village where the largest piece fell. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1838, June 6 . . | *CHANDAKARPUR*, Berar, Central Provinces, India. | |
| | Stone. Intermediate chondrite, Ci. Piece with crust. Interior compact, dark grey, with badly formed chondri and rusted spots. One large chondrus of a white, fibrous mineral is present. At one corner a large sulphide crystal ? projects. Crust dark brownish-black to black, thin, finely blebby, pitted. Reg. No. 136 (1) . . . | 33 |
| | Fragment with crust. The latter is more mottled than in the previous specimen. Reg. No. 136 (3) . . | 19 |
| | Fragment with crust and a smoothed surface showing light and dark grey spots, rusted patches and bright metallic grains. Reg. No. 136 (4) . | 15 |
| | 1854 : Greg : *Phil. Mag.*, Vol. 8, p. 460. | |
| | This stone has recently been carefully analysed. | |
| | 1910 : Bowman and Clarke : " On the structure and composition of the Chandakapur meteoric stone ". *Min. Mag.* Vol. XV, No. 72, pp. 350-376 with plates. | |
| | Original weight 9,114 gms. ? | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1885, April 6 . . | *CHANDPUR*, Mainpuri District, United Provinces, India. | |
| | Stone. Veined white chondrite, Cwa. Large cuboidal piece with crust, polished, fractured and sawn surfaces. Interior white, abundantly flecked with rust spots, with many medium-sized chondri of darker and lighter shades. Traversed by dark veins. Crust glossy black, minutely blebby and cracked, shows irregular pits and fine radiating friction lines on one surface. Reg. No. 190 . . . | 384 |
| | 1885: Medlicott: *Rec., Geol. Sur. Ind.*, Vol. XVIII, pp. 148-149. | |
| | Original weight 1,201 gms. | |
| Fell 1812, August 5 . . | CHANTONNAY, Vendée, France. | |
| | Stone. Brecciated grey chondrite, Cgb. Large fragment with broken and polished surfaces. Interior hard, in broad "breccia" bands with either black or grey groundmass. Chondri large and grey, metallic grains abundant. Reg. No. 159 . . | 203 |
| | Fragment from interior. Brecciated structure more apparent. Reg. No. 159 . . | 77 |
| Known 1804 . . . | CHARCAS, San Luis Potosi, Mexico. | |
| | Iron. Medium octahedrite, Om. Thin slab with natural surface. An etched surface shows good Widmanstätten figures, and a troilite nodule. Reg. No. 58 (2) . . . . . | 85 |
| | Piece with natural and polished surfaces. Reg. No. 58 (1) . | 49 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1835, August 1 . . | CHARLOTTE, Dickson County, Tennessee, United States of America.<br>Iron. Fine octahedrite, Of. Thin polished and etched fragment, shows typical Widmanstätten figures. Reg. No. 10 . . | 1 |
| Fell 1810, November 23. | CHARSONVILLE, Loiret, France.<br>Stone. Veined grey chondrite, Cga. Fragment with crust. Interior dirty grey, granular and compact, with abundant partly rusted metallic grains. Crust thin, dull and reddish-black. Reg. No. 88. . . | 7 |
| Fell 1834, June 12 . . | *CHARWALLAS* (*CHAHARWALA*), Hissar District, Punjab, India.<br>Stone. Intermediate chondrite, Ci. Small fragment with crust and polished surface. Interior light grey and mottled brown with abundant shining metallic grains. Crust thin, dull black, scoriaceous. Reg. No. 73 . | 4·7 |
| | 1834: Parsons: *Journ. Asiatic Soc. Bengal*, Vol. III, p. 413. | |
| Fell 1815, October 3 . . | CHASSIGNY, Haute Marne, France.<br>Stone. Chassignite, Cha. Fragment with crust. Interior entirely composed of faint yellowish-grey, friable grains of olivine and a few scattered black specks. Crust thin, glossy black, pitted and minutely cracked. Reg. No. 80 | 8 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| **Fell 1841, June 12** | CHÄTEAU-RENARD, Loiret, France. | |
| | Stone. Veined intermediate chondrite, Cia. Large fragment with crust. Interior mottled grey, hard and compact, traversed by thin black veins. Crust black and finely scoriaceous. Reg. No. 157 | 308 |
| | Fragment with crust. Like previous specimen. Reg. No. 157 | 165 |
| **Found before 1849** | CHESTERVILLE, Chester County, South Carolina, United States of America. | |
| | Iron. Ataxite, Siratic group, Ds. Thin slab with natural and etched surfaces. The latter shows a few, small, rod-like inclusions. Reg. No. 79 | 74 |
| | Thin slab, etched. Like previous specimen. Reg. No. 79. | 32 |
| | *CHHABRA, see TONK.* | |
| **Mentioned 1852** | CHUPADEROS, Chihuahua, Mexico. | |
| | Iron. Fine octahedrite, Of. Thin slab with natural edge and etched face showing beautiful Widmanstätten figures. Reg. No. 152 | 49 |
| | CLAIBORNE, *see* LIME CREEK. | |
| | CLARAC, *see* AUSSON. | |
| **Known 1837** | COAHUILA, Mexico. | |
| | Iron. Normal Hexahedrite, H. BONANZA. One thin polished fragment. Reg. No. 14 | 1·8 |
| | BUTCHER IRON. Large polished and etched slab showing a stippled surface intersected by Neumann lines. A decomposed nodule of troilite is present. Reg. No. 125 | 373 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Known 1837 . . . | SANTA ROSA. Elongated slab polished on four sides, the two ends show natural surfaces. Reg. No. 44 . . . | 20 |
| | Fragment, cut and polished. Reg. No. 44 . . . | 6 |
| | In the register of meteorites and in Fedden's catalogue, these three Irons are registered separately. Following the example of most of the other large collections they are brought together here for the first time. | |
| Fell 1838, October 13 . | COLD BOKKEVELD, Cape Province, South Africa. | |
| | Stone. Carbonaceous chondrite, K. Large fragment with crust. Interior dull black with white specks. Crust thin, reddish black, pitted and minutely cracked. Reg. No. 141 . | 100 |
| | Small fragments from interior. Reg. No. 141 . . . | 3 |
| | When kept in an open case, this meteorite effloresced white fibrous crystals which were determined by Stuart as Alunogen. | |
| | 1908 : Stuart : *Rec., Geol. Surv. Ind.*, Vol. XXXVII, p. 224, Pl. IX. | |
| Fell 1805, June . . | CONSTANTINOPLE, Turkey. | |
| | Stone. Eukrite, Eu. Minute fragment from interior. No structure visible. Reg. No. 9 | —— |
| Known 1860 . . . | COOPERTOWN, Robertson County, Tennessee, United States of America. | |
| | Iron. Medium octahedrite, Om. Small slab with natural edge and polished and etched surfaces. The latter shows Widmanstätten figures made up of broad plates. Reg. No. 81 (1) . . . . . | 90 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Known 1860 | COOPERTOWN—*contd.* | |
| | Small slab with natural edge and polished surfaces. Reg. No. 81 (3) | 43 |
| Known 1863 | COPIAPO, Chili. | |
| | Iron. Brecciated octahedrite Copiapo group, Obc. Small fragment with crust, one face polished and etched, shows irregular cracks, Widmanstätten figures and a large, dark, rectangular inclusion. Reg. No. 46 | 19 |
| | Small fragment showing natural surface on edges and two polished surfaces. The latter exhibit large, irregular, included silicate grains. Reg. No. 26 | 4 |
| Described 1840 | COSBY'S CREEK, Cocke County, Tennessee, United States of America. | |
| | Iron. Coarse octahedrite, Og. Slab with natural and etched surfaces. The former is rough and irregular. The latter shows cleavage. Reg. No. 97 (2) | 178 |
| | Irregular fragment with small polished surface showing cleavage. Reg. No. 97 (1) | 220 |
| | Irregular fragment with rough natural and etched surface. Reg. No. 97 (III) | 49 |
| | Small fragment with natural and polished surfaces. Reg. No. 97 (IV) | 23 |
| | Small fragment with natural and polished surfaces. Reg. No. 97 (V) | 12 |
| | Three minute fragments. Reg. No. 97 (VI) | 1 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| **Fell 1844, January . .** | COSINA (CERRO COSINA OR DOLORES HIDALGO), Guanaxuato, Mexico. | |
| | Stone. Crystalline chondrite, Ck. Sawn fragment with crust. Interior dark grey with black chondri. Crust thin, black, does not adhere well. Reg. No. 89 . . . | 10 |
| | Fragment with crust. Reg. No. 89 . . . . . | —— |
| **Found 1887 . . .** | CRAB ORCHARD (POWDER MILL CREEK), Cumberland County, Tennessee, United States of America. | |
| | Iron-Stone. Grahamite, Mg. Irregular fragment with a polished surface. The silicates occur in small grains in a metallic groundmass. Crust dark brown and rusted. Reg. No. 138 . . . . | 31 |
| **Found 1854 . . .** | CRANBOURNE, Victoria, Australia. | |
| | Iron. Coarse octahedrite, Og. Rusted fragments said to come from external crust. Reg. No. 77 . . . | 80 |
| | Small fragment with natural, polished and etched surfaces. The latter shows indistinct Widmanstätten figures. Reg. No. 77 . . . . . | 6 |
| | CROSS TIMBERS, *see* RED RIVER. | |
| **Mentioned 1889 . .** | CUERNAVACA, Morelos, Mexico. | |
| | Iron. Fine octahedrite, Of. Irregular slab. One etched face shows well developed Widmanstätten figures and a small troilite inclusion. Reg. No. 156 . . . . . | 120 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Described 1863 . . . | DAKOTA, South Dakota, United States of America. | |
| | Iron. Coarsest octahedrite, Ogg. Piece showing natural and polished surfaces. Reg. No. 66 . . . . | 69 |
| Fell 1878, September 5 . | *DANDAPUR*, Gorakhpur District, United Provinces, India. | |
| | Stone. Veined intermediate chondrite, Cia. Large cuboidal piece with crust. The latter is dull black, thin, minutely cracked and marked with bright shining blebs in places. Interior greyish-white, mottled with rust, and traversed by a well-marked black vein. Large greyish-white chondri common, metallic matter only present in small quantity. Four large sulphide patches visible on a fractured surface. Reg. No. 183 . . . | 1,590 |
| | Large piece with crust which is brownish-black owing to rusting. Reg. No. 183 . | 426 |
| | 1878: *Rec., Geol. Surv. Ind.*, Vol. XI. p. 303. | |
| | 1896: Brezina: *Wiener Sammlung.* p. 247. | |
| Fell 1868, March 20 . . | DANIEL'S KUIL, Griqualand West, South Africa. | |
| | Stone. Crystalline chondrite, Ck. Fragment with crust. The latter is thin, rough and rusty black. Interior crystalline, tough, dark brownish-grey and somewhat rusted. Reg. No. 125 . . . | 52 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell before 1804 . . | DARMSTADT, Hesse, Germany.<br>Stone. Veined grey chondrite, Cga. Fragment from interior. Rusted greyish-brown with grey chondri and bright metallic specks. Reg. No. 55 . | 3 |
| Fell 1829, August 14 . . | DEAL, Monmouth County, New Jersey, United States of America.<br>Stone. Intermediate chondrite, Ci. Small fragment with black crust. Reg. No. 3 . | — — |
| Fell 1897, October 18 . | *DELHI*, Punjab, India.<br>Stone. White chondrite, Cw. Small fragment with crust. The latter is thin and shining black. Interior rather firm, greyish-white with white and grey chondri, rusted spots and sparkling metallic grains. Reg. No. 238 . . . | 0·8 |
| | 1906 : Holland : *Rec., Geol. Surv. Ind.*, Vol. XXXIII, p. 73. | |
| | 1907 : Fermor : *Rec., Geol. Surv. Ind.*, Vol. XXXV, p. 90. | |
| Found 1865 . . . | DELLYS, Algeria, Northern Africa.<br>Iron. Medium octahedrite, Om. Small fragment with natural and polished surfaces. Reg. No. 23 . . . . | 4 |
| Known 1856 . . . | DENTON COUNTY, Texas, United States of America.<br>Iron. Medium octahedrite, Om. Thin etched fragment showing good Widmanstätten figures. Reg. No. 27 . . . | 4 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found before 1780 . . | DESCUBRIDORA, Catorce, San Luis Potosi, Mexico. | |
| | Iron. Medium octahedrite, Om. Oblong slab, polished and etched. The Widmanstätten figures are in long parallel bands and crossed by others approximately at right angles. Reg. No. 149 . . . | 84 |
| | *DHULIA* see *BHAGUR.* | |
| Fell 1860, July 14 . | *DHURMSALA* (*DHARMSALA*), Kangra District, Punjab, India. | |
| | Stone. Intermediate chondrite Ci. Large piece with crust. The latter is shining black, with numerous pits. Interior ash-grey, granular, compact, containing large and small chondri, rusted spots and a few metallic and sulphide grains. Nodules of a bluish-grey colour and finer texture are distributed through the mass. Reg. No. 166 (1) . | 557 |
| | Large piece with slickensided surfaces. Interior mottled grey and compact. Reg. No. 166 (2) . . . . | 448 |
| | Large fragment with crust. The latter is thin, shining black and minutely cracked. Reg. No. 166 (3) . . . . | 211 |
| | Fragment with crust. The latter is brownish-black, pitted and blebby. Reg. No. 166 (4) . | 95 |
| | Fragment from interior. Reg. No. 166 (5) . . . . | 8 |
| | Small fragments and dust. Reg. No. 166 (6) . . . . | 4 |
| | 1860: *Journ. Asiatic Soc. Bengal*, Vol. XXIX, pp. 410-411, 415, 421. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| **Fell 1903, October 22** . . | *DOKACHI*, Dacca District, Bengal, India. | |
| | Stone. Intermediate chondrite, Ci, and veined intermediate chondrite, Cia. Largest complete individual, covered with a dull to glossy crust, varying in colour from black to brownish-black. Rusted and greyish-white, superposed spots are common. Pittings and thumb marks show on each face, and the crust though smooth in places is more usually covered with small granulations. A fractured portion at one end exhibits a dark grey interior with abundant small chondri. Reg. No. 240-A. 1 . . . | 1,571 |
| | Small, flattened individual, completely covered with a glossy black, papillated crust. Reg. No. 240-A. 3 . . | 195 |
| | The following five specimens are all slices through the same stone: | |
| | End portion, with one polished face, partially covered with crust. The latter is dull to shining black and papillated, the pimples being due to fused metallic grains. Interior pale ash-grey, containing numerous darker grey and a few light grey chondri. Fine grains of shining nickel-iron are well distributed through the stone. Rust spots are common. Reg. No. 240-B. 5. | 72 |
| | Slice completely edged with crust, both faces polished. Like previous specimen, but a thin black vein traverses the slice. Reg. No. 240-B. 4 . | 71 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1903, October 22 . . | *DOKACHI—contd.* | |
| | Slice completely edged with crust. One polished and one sawn face. Characters like previous specimen. Reg. No. 240-B. 3 . . . | 72 |
| | Slice completely edged with crust, one polished and one sawn face. Like 240-B. 3. Reg. No. 240-B. 2 . . | 87 |
| | Slice completely edged with crust. Like 240-B. 3, but veining though present is very indistinct. Reg. No. 240-B. 1 . . . . | 92 |
| | Small fragment with crust. Interior light grey with indistinct chondri, small white spots and shining metallic points. Crust thin, dull to shining black. Exhibits slickensiding. Reg. No. 240-C. 6 | 15 |
| | Small fragments with crust. Like 240-C. 6, but traversed by complicated systems of branching black veins. No slickensiding. Reg. No. 240-E | 6 |
| | Small individual completely covered with a dull to brownish-black crust with small, varnished black points in places. Reg. No. 240-F. 1 | 5 |
| | Small individual almost completely covered with a thin, dull to shining black crust. Interior ash-grey. Reg. No. 240-G. 2 . . . . | 1 |
| | 1907 : Fermor : *Rec., Geol. Surv. Ind.*, Vol. XXXV, Pt. 1, pp. 68-77. | |
| | A stone from this meteoric shower has recently been the subject of a careful chemical and petrological investigation by Clarke and Bowman. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1903. October 22 . . | *DOKACHI—contd.*<br>1911 : Clarke and Bowman : *Min. Mag.*, Vol. XVI, No. 73, pp. 35-46. | |
| | DOLGAJA WOLJA, *see* DOLGOVOLI. | |
| Fell 1864, June 26 . . | DOLGOVOLI (DOLGAJA WOLJA, Volhynia, Russia.<br>Stone. White chondrite, Cw. Fragment with crust. The latter is thin, dull black and traversed by minute cracks. Interior light grey with small darker chondri and many shining metallic points. Reg. No. 102 . . . . | 13 |
| | DOLORES HIDALGO, *see* COSINA | |
| Found 1888 . . . | DONA INEZ, Atacama, Chili.<br>Iron-Stone, Mesosiderite, M. Complete individual, in appearance like a cracked limonite nodule with a few small green spots. Reg. No. 208 (1) . | 45 |
| | Slab with natural crusted edge and two polished surfaces. Black stoney matter largely predominates. Reg. No. 208 (2) . . . . . | 22 |
| | Small mass, one surface polished. Cracking well exhibited. Reg. No. 208 (3) . . . | 21 |
| Fell 1899, September 23, 3 P.M. . . . . | *DONGA KOHROD*, Bilaspur District, Central Provinces, India.<br>Stone. Intermediate Chondrite, Ci. Corner of stone with crust and fractured surface. The former is thin, even, dull to shining black and minutely blebby. Interior ash-grey, speckled with rust, lighter and darker chondri breaking with fracture and numerous metallic points. Reg. No. 215 | 90 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1899, September 23, 3 P.M. | *DONGA KOHROD—contd.* | |
| | Small fragments. Reg. No. 215 | 0·5 |
| | 1901 : *Calcutta Catalogue*, p. 4. | |
| Fell 1805, April 6 . . | DORONINSK, Irkutsk, Siberia. Stone. Brecciated grey chondrite, Cgb. Fragment with crust. Interior ash-grey with numerous dark brecciation veins and small greyish-white chondri. Crust thin, dull black, roughened by minute scoriation lines. Reg. No. 90 . . . | 12 |
| Fell 1827, May 9 . . | DRAKE CREEK, Sumner County, Tennessee, United States of America. Stone. Veined white chondrite, Cwa. Fragment from interior. Granular, light grey, with small light-coloured chondri, metallic points and rusted spots. One large grey chondrus, 6 mms. in diameter, projects from a corner. Reg. No. 74 . . | 5 |
| Fell 1865, August 12 . . | DUNDRUM, Tipperary, Ireland. Stone. Crystalline chondrite, Ck. Coarse, dark brownish-grey powder containing chondri. Reg. No. 69 . | 9 |
| Fell 1815, February 18 . | *DURALA*, Karnal District, Punjab, India. Stone. Veined intermediate chondrite, Cia. Sawn fragment with crust. Interior light grey with darker chondri and coarse metallic grains. Traversed by a thin black vein. Texture rather friable. Crust thick, black, scoriaceous. Reg. No. 111. . . | 23 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1815, February 18 . | *DURALA—contd.*<br>1820 : Bird : *Tilloch's Philos. Mag.*, Vol. LVI, pp. 156-157. | |
| Found 1811 ? . . . | DURANGO, Mexico.<br>Iron. Medium octahedrite, Om. Thin fragment with etched surfaces and natural edge. Shows indistinct Widmanstätten figures. Reg. No. 28 (1) . . . . | 4·4 |
| | Small polished fragment. Reg. No. 28 (2) . . . | 1·6 |
| | Small elongated fragment, with polished surfaces and natural edge. One surface is deeply pitted. Reg. No. 28 (3) . . . . | 1·6 |
| Fell 1853, March 6 . . | DURUMA, Wanikaland, East Africa.<br>Stone. Veined intermediate chondrite, Cia. Small fragment with crust. Very rusted. Reg. No. 26 . . | 0·6 |
| Fell 1872, May 8 . . | *DYALPUR*, Sultanpur District, United Provinces, India.<br>Stone. Ureilite, U. Fragment with polished and natural surfaces. The latter has only a very thin shining crust, which is not continuous. The fracture is rough and irregular. Interior composed of black and greenish-black chondri and grains. Reg. No. 94 . . . . | 15 |
| | 1882 : Brezina : *Wein. Akad. Ber.*, Vol. LXXXV, Pt. 1, pp. 338-339. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1785, February 19 . | EICHSTÄDT, Witmess, Bavaria, Germany. | |
| | Stone. Spherical chondrite, Cc. Small fragments with detached crust. Interior ash-grey, mottled with rust. Small projecting chondri and metallic points fairly numerous. Crust thin, dull black. Reg. No. 24 . . | 0·5 |
| | EKATERINOSLAV, *see* VERKHNE DNIEPROVSK. | |
| Recognised 1811 . . | ELBOGEN, Bohemia, Austria. | |
| | Iron. Medium octahedrite, Om. Fragment with natural edge and etched surface showing Widmanstätten figures. Reg. No. 69 (1) . . . | 60 |
| | Fragment with irregular natural and polished surface. Reg. No. 69 (2) . . . | 20 |
| | Fragment, partly polished, hammered. Reg. No. 69 (3) | 20 |
| | Fragment, irregular, with natural and a small etched surface. Reg. No. 69 (5) . | 12 |
| Found 1893 . . . | EL CAPITAN (CAPITAN MOUNTAIN), Lincoln County, New Mexico, United States of America. | |
| | Iron. Medium octahedrite, Om. Etched section showing crust and Widmanstätten figures. Reg. No. 143 . . . | 87 |
| Found 1871 . . . | EL RANCHITO (BACUBIRITO), Sinaloa, Mexico. | |
| | Iron. Finest octahedrite, Off. Slab with original edge and etched surface showing well defined, though very delicate Widmanstätten figures. Reg. No. 155 . . . . | 46 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1492, November 16 . | ENSISHEIM, Upper Alsace, Germany. | |
| | Stone. Brecciated crystalline chondrite, Ckb. Large fragment with crust. Interior dark grey, almost black, granular to smooth, chondri and nickel-iron visible. Crust thin, dull black, pitted. Reg. No. 138 . | 45 |
| | Fragment from interior with smooth surfaces resembling slickensides. Reg. No. 138 . | 31 |
| Fell 1822, September 13 . | EPINAL, Vosges, France. | |
| | Stone. Spherical chondrite. Cc. Fragment from interior. Greyish-white with small, projecting, darker chondri. Reg. No. 13 . . . | —— |
| Fell 1889, July . . | ERGHEO (BRAVA), Somaliland Peninsula, East Africa. | |
| | Stone. Brecciated crystalline chondrite, Ckb. Slab with polished and fractured surfaces. The former is dark greyish-black with a few thinly distributed metallic grains. Hard and compact. Exudes globules of a thick brownish fluid. Reg. No. 221 . . . . . | 261 |
| Fell 1812, April 15 . . | ERXLEBEN, Magdeburg, Prussia. | |
| | Stone, Crystalline chondrite, Ck. Fragment with crust. Interior dark grey, compact, with small chondri and metallic points. Crust thin, dull black, blebby, easily peels off. Reg. No. 98 . | 17 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| **Fell 1837, August . .** | ESNANDES, Charente Inférieure, France. Stone. Grey chondrite, Cg. One small fragment with polished surfaces and crust. Interior grey, flecked with rust, small greyish-blue chondri and abundant nickel-iron present. Crust thin, dull black with rusted spots. Reg. No. 66 . . . | 1·4 |
| **Found 1902 . . .** | ESTACADO, Hale County, Texas, United States of America. Stone. Crystalline chondrite, Ck. Large slice, 15×10×1 cms., polished on one side, roughly cut on the other. Crust on two edges. Interior greyish-black with numerous black chondri and much metallic matter in fine grains. Crust on one edge very thick and brownish-black, evidently decomposed through exposure; on the other, thin, perhaps a portion of a fracture surface. Reg. No. 247 . | 434 |
| **Fell 1879, May 10 . .** | ESTHERVILLE, Emmet County, Iowa, United States of America. Iron-Stone. Mesosiderite, M. One complete individual, showing small melted nodules of bright steel-grey, nickel-iron in a black groundmass. Reg. No. 113 . . . | 4 |
| **Fell 1890, June 25 . .** | FARMINGTON (WASHINGTON), Farmington County, Texas, United States of America. Stone. Veined black chondrite, Csa. Large slab, 17×13×1·5 cms. with polished surfaces, partly edged with crust. Interior black, with black and large grey chondri. Some of | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1890 June 25 . . | FARMINGTON (WASHINGTON) —*contd.* the latter show a radiated structure. Large, shining steel-grey, metallic grains are well disseminated through the mass. The fractured surface has the appearance of a dark grey dolerite. Crust thin, scaley, and covered with irregular beaded projections formed by metallic grains which have resisted fusion. Reg. No. 209 . | 922 |
| Fell 1844, October 21 . | FAVARS, Aveyron, France. Stone. Intermediate chondrite, Ci. Small fragment from interior. Grey with small dark chondri and minute metallic grains. Reg. No. 59 | 2·7 |
| | FISH RIVER, *see* GREAT FISH RIVER. | |
| | FLOWS, *see* MONROE. | |
| Fell 1890, May 2 . . | FOREST CITY (WINNEBAGO COUNTY), Winnebago County, Iowa, United States of America. Stone. Brecciated spherical chondrite, Ccb. Complete irregular individual covered with dull black crust. The surface of the latter is roughened by minute projections and indented with numerous small pittings. Reg. No. 210 (2) . . . . | 134 |
| | Complete individual with rounder edges than the former one, almost entirely covered with a thin, dull black crust. Interior light grey, mottled with darker specks. Reg. No. 210 . . . | 25 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1829, May 8 . . | FORSYTH, Monroe County, Georgia, United States of America. Stone. Veined white chondrite, Cwa. Fragment from interior. Light grey, flecked with brown, with lighter grey chondri and a few scattered metallic points. Texture rough. Reg. No. 118 . . | 25 |
| Found 1882 . . . | FORT DUNCAN, Maverick County, Texas, United States of America. Iron. Normal hexahedrite, H. Thin slab, one edge of which shows a thin, black, natural surface. Etched faces show a network of Neumann lines on a stippled background. Small troilite grains also occur. Reg. No. 127 . . | 53 |
| Found 1856 . . . | FORT PIERRE (NEBRASKA), Dakota, United States of America. Iron. Medium octahedrite, Om. Irregular fragment with etched surfaces showing distinct Widmanstätten figures. Reg. No. 45 (1) . | 15 |
| | Irregular fragment with crust, and etched surfaces showing Widmanstätten figures. Reg. No. 45 (2) . . . . | 14 |
| Found 1866 . . . | FRANKFORT (FRANKLIN COUNTY), Franklin County, Kentucky, United States of America. Iron. Medium octahedrite, Om. Small slab polished on four faces. Other two show natural surface. Reg. No. 59 | 60 |
| | FRANKLIN COUNTY, *see* FRANKFORT. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1822, November 30 | *FUTTEHPUR*, Allahabad District, United Provinces, India. | |
| | Stone. Veined white chondrite, Cwa. Large piece with two polished surfaces and crust. The latter dull black, thin and covered for the greater part with large irregular pits. Interior fine-grained, light grey with darker chondri, shining metallic grains, rust spots and patches of troilite. The surface is crossed by a series of intersecting veins. Reg. No. 168 . . . | 718 |
| | Piece with crust. Similar characters but darker interior. Reg. No. 168 . . . | 108 |
| | 1828: Tytler: *Edinburgh Journ. Sci.*, No. 15, p. 171. | |
| Fell 1897, September 15 | *GAMBAT*, Khairpur State, Bombay, India. | |
| | Stone. Veined intermediate, chondrite, Cia. Largest piece of original stone. Interior light ash-grey, flecked with rust, and traversed by a roughly parallel series of very fine though continuous veins. Grey and greyish-white chondri, some attaining a large size are very numerous. Metallic matter present in a few small grains. Crust thick on one side, thin on another. Black to glossy black, blebby on one side, unusually scoriaceous. Large shallow pittings are of frequent occurrence. Reg. No. 214-A. . . . . | 3,731 |
| | Small fragment with crust. Shows more metallic matter and thicker veins. Well developed slickensides. Reg. No. 214-J. . . . . | 30 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1897, September 15 . | *GAMBAT—contd.* | |
| | Small fragment showing the thick variety of the black crust. Reg. No. 214-K . | 29 |
| | Numerous smaller fragments, many of which have crust. Reg. No. 214-L. . . . | 71 |
| | 1901: Blyth: *Calcutta Catalogue*, p. 4. | |
| Recognised 1889 . . | GILGOIN, New South Wales. | |
| | Stone. Crystalline chondrite, Ck. One piece with three polished surfaces and crust. The former are black with small, light chondri and very abundant metallic grains. Crust reddish-brown to rusty brown, rough, scaley. Reg. No. 223 . . . | 186 |
| | Like previous specimen. Small fragment with one polished surface and crust. Reg. No. 223 . . . | 3 |
| Fell 1853, February 10 . | GIRGENTI, Sicily. | |
| | Stone. Veined white chondrite, Cwa. Fragment with crust. Interior greyish-white, traversed by fine dark veins, abundant greyish chondri, and very numerous small, bright, metallic grains. Crust thin, glossy black, minutely pitted. Reg. No. 101 . . . . . | 15 |
| Found 1884 . . . | GLORIETA MOUNTAIN, Santa Fe County, New Mexico. | |
| | Iron. Medium octahedrite, Om. Slab with natural crust. An etched surface shows characteristic Widmanstätten figures. Reg. No. 126 . | 204 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| | GNARRENBURG, *see* BREMERVÖRDE. | |
| Described 1869 . . . | *GOALPARA*, Assam, India.<br>(No history of this fall has been traced. It is supposed to have come from the neighbourhood of Goalpara, Assam.)<br>Stone. Ureilite, U. Large piece with crust. The latter is thin with beautiful radial pittings and thumb marks crossed by fine flow lines. Interior black, granular, with an irregular fracture; shining silicate flakes and small olivine crystals are visible. Reg. No. 169 . . . | 708 |
| | 1869 : Haidinger : *Wien. Akad. Ber.*, Vol. LIX, Pt. 2, pp. 665-678. | |
| Fell 1865, May 23 . . | *GOPALPUR*, Jessore District, Bengal, India.<br>Stone. Spherical chondrite, Cc. Almost complete individual with a glossy black crust, showing both deep and elongated pittings and faint striæ. Interior dirty grey with very numerous, small, projecting, dark grey chondri, abundant minute metallic points and rust spots. Reg. No. 175 . . . . | 1,217 |
| | 1865 : *Proc. Asiatic Soc. Bengal*, pp. 94-96. | |
| Found 1883 . . . | GRAND RAPIDS, Kent County, Michigan, United States of America.<br>Iron. Fine octahedrite, Of. Thin slab, polished and etched, with original surface on two edges. Etched surface shows beautiful Widmanstätten | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1883 . . . | GRAND RAPIDS—*contd.* figures, the bands of which are made up of closely packed plates. Reg. No. 128 | 235 |
| Found 1836 . . . | GREAT FISH RIVER, South Africa. Iron. Fine octahedrite, Of. Small, irregular fragment, partly polished. Reg. No. 16 . . . . . | 2 |
| Found 1880 . . . | GREENBRIER COUNTY, West Virginia, United States of America. Iron. Coarse octahedrite, Og. Thin slab polished on two faces and edged with crust. Reg. No. 119 . . . | 33 |
| Fell 1861, May 23 . . | GROSNAJA, Caucasus, Russia. Stone. Black chondrite, Cs. Fragment from interior. Black, compact, with small greyish chondri. Reg. No. 6 | —— |
| Fell 1837, July 24 . . | GROSS-DIVINA, Trentsiner Comitat, Hungary. Stone, Spherical chondrite, Cc. Fragment from interior. Greyish-brown with numerous, small, well-marked, projecting chondri. Reg. No. 32 | 0·7 |
| Fell 1841, March 22 . . | GRÜNEBERG, Silesia, Germany. Stone. Veined grey chondrite, Cga. Fragment with crust. Interior grey with bluish-grey chondri, small metallic grains and rusty spots. Crust very thin, black, stained reddish-brown, scaley. One corner of the interior shows a large, projecting metallic fragment. Reg. No. 106 . . . | 22 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Described 1822 . . | GUILFORD COUNTY, North Carolina, United States of America. | |
| | Iron. Medium octahedrite, Om. Thin fragment with natural and polished surfaces. Reg. No. 11 . . | 1·5 |
| Fell 1851, April 17 . | GÜTERSLOH, Westphalia, Germany. | |
| | Stone. Brecciated spherical chondrite, Ccb. Fragment with crust. The latter is thin and dull black. Interior ash-grey with small, lighter chondri. Reg. No. 48 . | 1 |
| | Fragment from interior. Polished. Brownish-grey with small grey chondri and abundant metallic grains. Reg. No. 48 . . . | 2 |
| | Small fragments of interior and crust. Reg. No. 48 . | 1 |
| Fell 1804, November 24 . | HACIENDA DE BOCAS, San Luis Potosi, Mexico. | |
| | Stone. White chondrite, Cw. Small fragment from interior, white, showing chondri, metallic points and small rusted spots. Reg. No. 34 | 0·9 |
| Found 1856 . . . | HAINHOLZ, Westphalia, Germany. | |
| | Iron-Stone. Mesosiderite, M. Fragment with two polished surfaces. Small metallic grains thickly scattered through a groundmass of silicates. Reg. No. 76 . | 101 |
| Fell 1878, August or September. | *HARAIYA*, Basti District, United Provinces. India. | |
| | Stone. White chondrite,(?) Cw. One specimen almost completely covered with crust of shining black appearance, exhibiting a series of delicate | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1878, August or September. | *HARAIYA—contd.* | |
| | ridges or flow lines radiating from about the middle of two sides. Prominent thumb marks also occur. Interior pale ash-grey with dark grey granules in a soft whitish matrix. Reg. No. 237 . | 1,079 |
| | It has been suggested that this stone is part of the Dandapur fall, but the latter is quite different in composition. | |
| | 1907: Fermor: *Rec., Geol. Surv. Ind.*, Vol. XXXV, p. 90. | |
| Fell 1859, March 28 . . | HARRISON COUNTY, Indiana, United States of America. | |
| | Stone. Howarditic chondrite, Cho. Fragment with crust. Cut on three faces, one of which is polished. Interior light grey with large darker chondri and some metallic matter. Texture firm, compact. Crust thin, dull black, minutely cracked. Reg. No. 115 . . . . . | 28 |
| | HAUPTMANNSDORF, *see* BRAUNAU. | |
| Fell 1857, April 1 . . | HEREDIA, San José, Costa Rica, Central America. | |
| | Stone, Brecciated spherical chondrite, Ccb. Fragments with crust. Interior light bluish-grey with small grey chondri and metallic points. Reg. No. 22 . . . | 1 |
| Fell 1869, January 1 . . | HESSLE, near Upsala, Sweden. | |
| | Stone. Spherical chondrite, Cc. Small complete individual, entirely covered with a dull black, papillated crust. Reg. No. 67 . . . | 3·6 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1804, April 5 . . | HIGH POSSIL, near Glasgow, Scotland.<br>Stone. White chondrite, Cw. Fragment with crust. The latter is thin and dull black. Interior greyish-white, with chondri, rusty stains, and numerous, very fine, metallic points. Reg. No. 108 . | 26 |
| Fell 1875, February 12 . | HOMESTEAD, Iowa County, Iowa, United States of America.<br>Stone. Brecciated grey chondrite, Cgb. Thin slab with one polished face, partly edged with natural crust. Interior ash-grey, granular, compact, with an abundance of well developed lighter and darker chondri and metallic grains. Crust thin, dull black and somewhat blebby. Reg. No. 234 . . . | 27 |
| | The slice has broken into four fragments. | |
| Fell 1825, September 27 . | HONOLULU, Hawaiian Islands.<br>Stone. Veined white chondrite, Cwa. Small fragment with fractured and polished surfaces and crust. The latter is thin, dull black and papillated. Interior dirty white showing chondri, metallic points and a branching network of thin dark veins. Reg. No. 92 . . | 7·5 |
| Fell 1751, May 26 . . | HRASCHINA (AGRAM), Croatia, Austria.<br>Iron. Medium octahedrite, Om. Etched fragment showing Widmanstätten figures. Reg. No. 13 . . . | 1·6 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1901, October 21 . | HVITTIS, Finland, Russia. Stone. Crystalline enstatite anorthite chondrite, Cek. Slice with polished face and a little crust. Interior dark greyish-black with large black chondri and very numerous, scattered, metallic grains. Crust thin, dull black, blebby. Reg. No. 233 . . . . . | 20 |
| | *IHARA'TA see LALITPUR.* | |
| Found 1870 . . . | ILIMAË, Atacama, Chili. Iron, Medium octahedrite, Om. Fragment from surface. Reg. No. 37 . . . | 3·7 |
| | This specimen was catalogued by Fedden as "Atacama desert." It is labelled, "Desert of Atacama found 1870" and therefore seems to belong to the Ilimaë find, which was the only iron reported in that year. | |
| Known 1822 . . . | IMILAC, Atacama, Chili. Iron-stone. Pallasite, Imilac group, Pi. Thick slab, 5·5×5·5×2 cms., with crust, polished. Sponge-like pores filled with olivine in a nickel-iron matrix. Reg. No. 105 (1) . . . . | 317 |
| | Slab with crust, 5×5×1 cm., one side polished, one face polished and etched. The nickel-iron shows Widmanstätten figures. The olivine crystals are fissured and corroded. Reg. No. 105 (2) . | 103 |
| | Small slab with crust, two faces polished. Some of the olivine crystals have dropped out. Reg. No. 105 **(3)** . . | 50 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Known 1822 . . . | IMILAC—*contd.* | |
| | Piece of the spongiform matrix from which the olivine crystals have dropped out. Reg. No. 105 (4) . . . | 35 |
| | Piece of the spongiform matrix with remains of the olivine crystals. Reg. No. 105 (5) . | 15 |
| Fell 1891, April 7 . . | INDARCH, Elissavetpol, Transcaucasia, Russia. | |
| | Stone. Veined spherical carbonaceous chondrite, Kca. Small fragment from interior with one polished face. Brownish-black, rusted, numerous small, spherical, black chondri and abundant metallic points. Reg. No. 232 . . . . . | 12 |
| Fell 1866, October 5 . . | *JAMKHEIR*, Ahmadnagar District, Bombay, India. | |
| | Stone. One small cut fragment with crust, showing a few, bright, metallic grains. The specimen has been covered with and probably soaked in balsam or varnish, and its structural characters are masked. Reg. No. 245 . | 1·7 |
| | 1869: Buchner: *Vierter Nachtrag*, *Pogg. Ann.*, Vol. 136, p. 460. | |
| Found 1854 . . . | JEWELL HILL, Madison County, North Carolina, United States of America. | |
| | Iron. Fine octahedrite, Of. Irregular piece with a natural, two polished and one etched surface. The latter shows Widmanstätten figures in which the taenite bands are very well developed. Reg. No. 88 (1) . . . . | 167 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1854 . . . | JEWELL HILL—*contd.*<br>Thin slab with natural edge, four polished and one etched surface showing Widmanstätten figures. Reg. No. 88 (3) . . . . | 63 |
| Fell 1873, June . . | *JHANG*, Punjab, India.<br>Stone. Spherical chondrite, Cc. Large piece with polished surface, partly covered with crust. Interior light grey, coarse, with abundant, large, dark, spherical chondri, which project on the fractured surface, and numerous coarse and fine, shining, metallic grains. Crust thick, dull to reddish-black, rough and papillated. Reg. No. 170 . . . . . | 790 |
| | 1880: Fedden: *Calcutta Catalogue*, p. 25. | |
| Fell 1787, October 12 . | JIGALOWKA, Kharkov, Russia.<br>Stone. Veined white chondrite, Cwa. Small fragment with crust. Interior ash-grey with small chondri and metallic points. Crust smooth, patchy, dull and shining black. Reg. No. 54 . . . . | 2·6 |
| Found 1858 . . . | JOEL'S IRON, Atacama, Chili.<br>Iron, Medium octahedrite, Om. Fragment from the exterior with one etched face showing Widmanstätten figures. Reg. No. 37 . | 18 |
| | This specimen was catalogued by Fedden as "Atacama desert." It is labelled "Atacama, Bolivia, found 1858," and I am of the opinion that it is a portion of Joel's Iron. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1819, June 13 . . | JONZAC, Charente Inférieure, France. | |
| | Stone. Eukrite, Eu. Small fragment with crust. Interior greyish-white, speckled with small, black augite crystals. Crust very thin, shining black. Reg. No. 72. | 2·7 |
| Fell 1876, Feb. 16 . . | *JUDESGERI* (*JUDESGHERRY*), Tumkur District, Mysore, India. | |
| | Stone. Spherical chondrite, Cc. Large piece partly covered with crust. Interior greyish-white speckled with very numerous, small, dark chondri, many of which protrude. One large chondrus 5 mms. in diameter is present and two large inclusions of troilite. The mass is rather friable. Crust thin, dull to shining black, pitted, very irregular surface. Reg. No. 151 . | 300 |
| | 1876 : Medlicott : *Proc., Asiatic Soc., Bengal*, p. 221. | |
| Fell 1821, June 15 . . | JUVINAS, Ardèche, France. | |
| | Stone. Eukrite, Eu. Large piece with crust. Interior coarse, granular, light grey with patches of mottled and darker shades. Crystals of augite and anorthite visible. Crust glassy, shining black, rather blebby. Reg. No. 154 | 180 |
| | Large piece with a little crust. Like previous specimen but structure more brecciated. Reg. No. 154 . . . | 112 |
| | Fragment from interior. Reg. No. 154 . . . . | 7 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1857, April 15 . . | KABA, Debreczin, Hungary. | |
| | Stone. Carbonaceous chondrite, K. Fragment from interior. Dull black with large projecting chondri. White and brown efflorescences partly cover the specimen. Reg. No. 91 (*a*) . | 8 |
| | Smaller fragment with crust. Like previous specimen. Crust very thin, appears to be only a fusion film. Reg. No. 91 (*b*) . . . . | 2 |
| Fell 1822, August 7 . . | *KAD NAH*, Agra District, United Provinces, India. | |
| | Stone. Veined grey chondrite, Cga. Small fragment with two polished surfaces. Interior grey with darker veins and chondri, bright metallic grains and rusted spots. Reg. No. 61 . . | 4 |
| | 1834: Malte Brun: *Nouvelles Annales des Voyages, de la geographie et de l'histoire.* Series 3, Vol. 2, p. 415. | |
| Fell 1838, January 29 . | *KA[illegible]*, Sandi Pargana, Hardoi District, United Provinces, India. | |
| | Stone. Spherical chondrite, Cc. Small fragments with crust. Interior light grey, with a few projecting chondri, and bright metallic grains. Crust thin, dull black. Reg. No. 30 . . . . | 9·6 |
| | 1864, Buchner, *Erster Nachtrag, Pogg. Ann.*, Vol. 122, p. 317. | |
| Fell 1890, June 4 . . | *KAKANGARI*, Tirupathur Taluq, Salem, Madras, India. | |
| | Stone. Spherical chondrite. Cc. Fragment with crust and one polished surface. Interior dark grey with | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1890, June 4 . . | *KAKANGARI—contd.* numerous, small, projecting chondri, and a good deal of nickel-iron, usually arranged around them. Crust thin, rather rough, dull black, does not adhere well to the stone. Reg. No. 197 . .. | 188 |
| | 1891, *Administraiton Report of the Government Central Museum, Madras* for the year 1890-91, pp. 3-4. | |
| Fell 1858, May 19 . . | KAKOWA, Temeser Banat, Hungary. Stone. Veined grey chondrite, Cga. Small fragment from interior. Light grey, with many metallic points and rusted spots. Chondri indistinct. Reg. No. 37 . . | 1 |
| Fell 1879, November 4 . | *KALAMBI*, Satara District, Bombay, India. Stone. Veined white chondrite, Cwa. Fragment with crust. Interior greyish-white crossed by thin, branching veins. Chondri indistinct, rust spots common. Crust thin and dull black. Reg. No. 243-A. . . . | 6·4 |
| | Fragment with crust. Like previous specimen. Reg. No. 243-B. . . . | 4·5 |
| | 1880: *Journ., Bombay Branch Asiatic Soc.*, Vol. XIV, pp. LVI-LVII. | |
| | 1880: Brezina: *Wien Akad. Ber.*, Vol. LXXXII-I, p. 352. | |
| | 1907: Fermor: *Rec., Geol. Surv. Ind.*, Vol. XXXV, p. 94. | |
| Fell November 12, 1902, about 1 P.M. | *KAMSAGAR*, Shimoga District, Mysore, India. Stone. Intermediate chondrite, Ci. Complete individual | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell November 12, 1902, about 1 P.M. | *KAMSAGAR—contd.* roughly tetrahedral in shape, broken into two pieces. Covered with crust, except in two or three places. Interior light ash-grey with light chondri and patches of troilite. Crust thin, dull black to brownish black, blebby. Reg. No. 258 . | 1,293 |
| | 1915: Coggin Brown: *Rec., Geol. Surv., Ind.*, Vol. XLV, pp. 223-225. | |
| Fell 1905, April 27, about 1 P.M. | *KARKH*, Jhalawan, Baluchistan, India. | |
| | Stone. Grey chondrite, Cg. Large mass half covered with crust. Interior dark ash-grey with a few, small, light grey chondri scattered, pale yellowish, metallic-looking points and reddish-brown rust spots. Crust thin, dull black, with abundant pittings and grooves, Slickensiding evident on one portion. Reg. No. 239-A. . . . | 14,546 |
| | Large mass partly covered with crust. On one side this is ·5 mm. thick, dull black, occasionally scoriaceous, with groove-like pittings and flow structures. One surface consists of a fracture surface largely covered with a dull to shiny black coating. Reg. No. 239-B. . . . | 3,087 |
| | Chips, many of which have crust. Reg. No. 239-C. & D. | 1,203 |
| | Large mass about one-third covered with a smooth, dull black crust, with five fracture planes on which a refusion has formed a thin, slightly shiny black crust. Fresh fracture dark grey. At one end of the stone there is a | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1905, April 27, about 1 P.M. | *KARKH—contd.* layer of much finer-grained, light brownish-grey material, traversed by a few, narrow, black veins and containing rusted areas of nickel-iron up to half an inch across. It is joined to the remainder of the stone along a flat, partly uncovered surface, showing signs of a shining black, crust-like layer separating the two. Reg. No. 239-E. . . . | 2,196 |
| | Large piece half covered with crust. The latter is dull to shining black. Interior dark grey with more abundant chondri than the previous specimens, and numerous rusted spots. Reg. No. 239-F. . . . . | 743 |
| | 1907 : Fermor : *Rec., Geol. Sur. Ind.*, Vol. XXV, Pt. 2, pp. 85-90. | |
| Found 1889 . . . | KENTON COUNTY, Kentucky, United States of America. Iron. Medium octahedrite, Om. Thin slab with natural edge and two etched surfaces. Widmanstätten figures are well exhibited. Shows a marked tendency to break along the cleavage lines. Reg. No. 123 . . . | 210 |
| | Etched slab partly edged with crust. Widmanstätten figures distinct. A few, small, enclosed troilite nodules present. Reg. No. 130 . . | 213 |
| Fell 1874, November 26 . | KERILIS, Côtes-du-Nord, France. Stone. Veined grey chondrite Cga. Slice partly edged with crust. Interior ash- | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1874, November 26 . | KERILIS—*contd.* grey, with numerous, small, dark grey chondri, many metallic grains and rust spots. Crust thin, black, scoriaceous. Reg. No. 187 . . | 80 |
| Fell 1869, May 22 . . | KERNOUVÉ, Morbihan, France. Stone. Veined crystalline chondrite, Cka. Large piece with crust. Interior greyish-brown, hard, crystalline, with large black chondri and minute metallic grains. Crust thin, black. Reg. No. 153 . . . . | 255 |
| | Small fragments with blebby crust. Reg. No. 153 . . | 6 |
| Fell 1873, September 23 . | *KHAIRPUR* (*MAILSI*), Bahawalpur State, Punjab, India. Part of this stone fell at Mailsi in the Multan district of the Punjab. The two localities are separated by the Sutlej river. Stone. Crystalline chondrite, Ck. Nearly complete individual, partly covered with crust. Interior dark greyish-brown, very compact and crystalline, with abundant, fine, metallic grains. Crust thin, dull black, scoriaceous, does not adhere well. Reg. No. 181 (*a*) . . . | 4,414 |
| | Ten slices with crust, cut from another stone. Polished, showing black chondri in a dark-grey groundmass, very thickly sprinkled with fine, bright, metallic grains. Reg. No. 181 (*b*) 1. End with crust . . . . | 168 |
| | Reg. No. 181 (*b*) 2. Not entirely crusted at edge . | 121 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1873, September 23 . | *KHAIRPUR (MAILSI)—contd.* | |
| | Reg. No. 181 (*b*) 3. Not entirely crusted at edge . | 56 |
| | Reg. No. 181 (*b*) 4. Not entirely crusted at edge . | 48 |
| | Reg. No. 181 (*b*) 6. Crust all round . . . | 90 |
| | Reg. No. 181 (*b*) 7. Crust all round . . . . | 124 |
| | Reg. No. 181 (*b*) 8. Crust all round . . . . | 80 |
| | Reg. No. 181 (*b*) 9. Crust all round . . . . | 68 |
| | Reg. No. 181 (*b*) 10. Crust all round . . . . | 33 |
| | Reg. No. 181 (*b*) 11. End with crust . . . | 86 |
| | 1874: Medlicott: *Journ., Asiatic Soc., Bengal*, Vol. XLIII (2), pp. 33—38. | |
| Fell 1860, March 28 . . | *KHERAGUR*, Agra District, United Provinces, India. | |
| | Stone. Spherical chondrite, Cc. Piece with crust, cut on two sides. Interior light grey, much mottled with rust, rather coarse and friable. Numerous, large, black chondri and a few, shining, metallic grains. Crust thin, dull to glossy black, pitted. Reg. No. 145 . . . | 140 |
| | 1860: *Proc., Asiatic Soc., Bengal*, Vol. XXIX, p. 212. | |
| Fell 1867, January 19 . | *KHETRI*, Shekhawati, Jaipur, Rajputana, India. | |
| | Stone. Brecciated grey chondrite, Cgb. Fragment with crust. Interior brecciated patches of ash-grey and dark grey material with numerous small chondri. Texture rather coarse. Crust thin, black, minutely scoriaceous. Reg. No. 124 . | 46 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1867, January 19 . | *KHETRI—contd.*<br>Fragments, some with crust. Reg. No. 124 . . | 3 |
| | 1867: Oldham: *Calcutta Catalogue*, p. 8.<br>1869: Waldie: *Journ., Asiatic Soc., Bengal*, pp. 252-258 (analysis of stone).<br>1869-70: Oldham: *Rec., Geol. Surv., Ind.*, Vol. II, p. 101 and Vol. III, p. 10. | |
| Fell 1910, September 19, about 1 P.M. | *KHOHAR*, Banda District, United Provinces.<br>Stone. Grey chondrite, Cg. Large piece with crust. Interior ash-grey, largely made up of lighter coloured chondri, some of which are over five mms. in diameter. Metallic grains are scarce. Crust thin, but thickened by flowing in some places, dull to shining black and reddish-black, scoriaceous and in places pitted and striated. Reg. No. 252-C. . | 4,819 |
| | Piece with crust, adherent earth and slickensides. Reg. No. 252-A. . . . | 530 |
| | Piece with crust. Shows large, white chondri and slickensides. Reg. No. 252-B. | 338 |
| | Piece with slickensides. Reg. No. 252-D. . . . | 588 |
| | Piece with crust, adherent earth and slickensides. Reg. No. 252-E. . . . | 287 |
| | Like previous specimen. Reg. No. 252-F. . . . | 223 |
| | Like previous specimen. Reg. No. 252-G. . . . | 426 |
| | Piece with slickensides. Reg. No. 252-H. . . . | 188 |
| | Like previous specimen. Reg. No. 252-I. . . . . | 239 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1910, September 19, about 1 P.M. | *KH HAR—contd.* | |
| | Piece with a little crust. Reg. No. 252-J. | 355 |
| | Piece with slickensides. Reg. No. 252-K. | 211 |
| | Like previous specimen. Reg. No. 252-L. | 224 |
| | Like previous specimen but contains large white chondri. Reg. No. 252-M. | 343 |
| | Like previous specimen. Reg. No. 252-N. | 223 |
| | Piece with slickensides. Reg. No. 252-O. | 138 |
| | Piece with crust. Reg. No. 252-P. | 174 |
| | Piece with slickensides. Reg. No. 252-Q. | 150 |
| | Piece with a little crust and slickensides. Reg. No. 252-R. | 102 |
| | Like previous specimen. Reg. No. 252-S. | 100 |
| | Piece with scoriaceous and cracked crust. Reg. No. 252-T. | 97 |
| | 1912 : Cotter : *Rec., Geol. Surv., Ind.*, Vol. XLV, p. 274. | |
| Fell 1844, April 29 | KILLETER, Tyrone County, Ireland. | |
| | Stone. Veined white chondrite, Cwa. Small fragment with crust. Interior white, with small, indistinct chondri and minute, metallic points. Thin black veins are present. The fragment shows evidence of slickensiding. Crust thin, dull black. Reg. No. 51 | 2 |
| Fell 1843, September 16 | KLEIN-WENDEN, near Nordhausen, Erfurt, Prussia. | |
| | Stone. Crystalline chondrite, Ck. Small fragment with | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1843, September 16 . | KLEIN-WENDEN—*contd.* crust. The latter is thin and black. Texture crystalline and compact with small chondri and many shining metallic points. Reg. No. 43 . . . . . | 1 |
| Fell 1866, July 9 . . | KNYAHINYA, Hungary. Stone. Grey chondrite, Cg. Complete individual almost covered with crust. Interior dark grey with numerous chondri. Crust thin, dull and glossy black to brownish black. Reg. No. 164-A. . | 572 |
| | Complete individual, almost covered with crust, cut in two and polished on two faces. The latter show large and small, grey and white chondri, and small, scattered grains of nickel-iron and troilite. The latter mineral forms the larger pieces. Crust thin, glossy black, pitted and marked with fine, radial, flow lines. Reg. No. 164-B. & C. . . | 827 |
| Found 1898 . . . . | *KODAIKANAL*, Palni Hills, Madura District, Madras. Iron. Brecciated octahedrite, Kodaikanal group, Obk. Complete slice, one face etched, showing the fine curved Widmanstätten figures and silicate inclusions peculiar to this iron. Reg. No. 146-A. 1 . . . | 535 |
| | Complete slice with one etched face. Like previous specimen. Reg. No. 146-A. 2 . | 498 |
| | Complete slice. One etched face. Reg. No. 146-A. 5 . | 348 |
| | Complete slice. One etched face. Reg. No. 146-A. 6 . | 336 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1898 . . . | *KODAIKANAL—contd.* | |
| | Complete slice. One etched face. Reg. No. 146-A. 8 . | 252 |
| | Thick slab partly edged with crust. One face etched. Reg. No. 146-B. 2 . . | 221 |
| | Complete thick slice, edged with crust. Reg. No. 146-C. . | 803 |
| | End of individual with one etched face. Crust is only marked with a few shallow and small pits, but it shows a strong tendency to scale. Reg. No. 146-G. . . | 578 |
| | Complete thick slice, edged with crust. Reg. No. 146-I. | 666 |
| | Scales of rust from the crust. Reg. No. 146-J. . . . | 2 |
| | 1903 : Berwerth : *Verz. der Meteoriten in K. K. Naturhistorischen Hof-Museum, Wien.*, p. 64. | |
| Fell 1869, May 5 . . | KRÄHENBERG, Zweibrücken, Bavaria. | |
| | Stone. Howarditic chondrite, Cho. Mottled light grey with small, darker patches. Reg. No. 38 . . . | 8 |
| | *KRAKHUT, see BENARES.* | |
| Fell 1829, September 9 . | KRASNOI-UGOL, Räsan, Russia, | |
| | Stone. Spherical chondrite, Cc. Small fragments with crust. Reg. No. 7 . . | —— |
| Found 1749 . . . | KRASNOJARSK, Yeniseisk, Siberia. | |
| | Iron-Stone. Pallasite, Krasnojarsk group, Pk. Large fragment showing the iron matrix with a good deal of olivine, though many of the crystals have fallen out. Reg. No. 101 (1) . . | 255 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1749 . . . | KRASNOJARSK,—*contd.*<br>Small fragment showing the iron matrix and a few olivine crystals. One polished face. Reg. No. 101 (3) . | 20 |
| | Small irregular fragment of the iron matrix. Reg. No. 101 (4) . . . . . | 12 |
| Fell 1811, March 12 . . | KULESCHOVKA, Poltava, Russia.<br>Stone. Veined white chondrite, Cwa. Fragment with crust, cut on two sides, one of which is polished. Interior greyish-white, with small, light coloured chondri and bright metallic points. Thin black veins occur and along them rusting is prevalent. Crust thin, black, slightly scoriaceous. Reg. No. 133 . . . . . | 81 |
| Fell 1860, June 16 . . | *KUSIALI*, Kumaon, United Provinces, India.<br>Stone. White chondrite, Cw. Small fragment with crust. Interior greyish-white with small, dark chondri. Crust thin, dull black. Reg. No. 23 . . . . .<br>1864: Buchner: *Erster Nachtrag*, *Pogg. Ann.*, Vol. CXXII, p. 317. | —— |
| Fell 1914, April 6, between 6-30 and 7-30 A.M. | *KUTTIPPURAM*, Ponnani Taluq, Malabar District, Madras, India.<br>Stone. Veined white chondrite, Cwa. Large mass, broken into three pieces, and somewhat injured on one side. Interior white, rather friable, with a few indistinct chondri and numerous, fine, metallic points. It is traversed by systems of delicate black veins and | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1914. April 6, between 6-30 and 7-30 A.M. | *KUTTIPPURAM—contd.* exhibits extensive slickensiding. Crust dull black to greyish-black and brownish-black with small shining patches, extensively and deeply pitted in places. Reg. No. 259, A, B. & C. . | 32,599 |
| | Large mass with crust. Reg. No. 259-D. . . . | 3,993 |
| | Large piece with crust. Reg. No. 259-E. . . . | 738 |
| | Large piece with crust. Reg. No. 259-F. . . | 427 |
| | Piece from interior. Reg. No. 259-G. . . . | 221 |
| | Piece from interior. Reg. No. 259-H. . . . | 206 |
| | Piece from interior. Reg. No. 259-I. . . . . | 121 |
| | Piece with crust. Reg. No. 259-J. . . . | 63 |
| | Piece from interior, stained with earth. Reg. No. 259-K. . . . . | 60 |
| | 1915 : Coggin Brown : *Rec., Geol. Surv., Ind.*, Vol. XLV, pp. 209-211. | |
| Fell 1879, January 31 . | LA BÉCASSE, Indre, France. Stone. White chondrite, Cw. Complete slice, edged with crust. Interior greyish-white, flecked with rust, with large, white chondri. Crust thin, dull black, minutely scoriaceous, contains a fused, metallic vein. Reg. No. 186 . . . | 102 |
| Recognised 1828 . . | LA CAILLE, Var, France. Iron. Medium octahedrite, Om. Thin slab with natural edge and etched surfaces which display swollen octahedral figures. Reg. No. 86 . | 103 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1860 . . . | LA GRANGE, Oldham County, Kentucky, United States of America. | |
| | Iron. Fine octahedrite, Of. Thick slab with natural edge, two polished and one etched surface showing Widmanstätten figures. Reg. No. 104 . . . . | 503 |
| Fell 1803, April 26 . . | L'AIGLE, Orne, France. | |
| | Stone. Brecciated intermediate chondrite, Cib. Almost complete stone partly encrusted. Interior ash-grey, granular, compact, with a few metallic grains. Crust thin, reddish-brown to black, pitted. Reg. No. 155 (1) . | 187 |
| | Fragment with crust. Interior very rust stained. Reg. No. 155 (3) . . . | 56 |
| | Fragment with crust and polished surface in which chondri and bright metallic grains are visible. Reg. No. 155 (4) . . . . | 52 |
| | Fragment from interior. It is very doubtful if this piece really belongs to the L'Aigle fall. Reg. No. 155 (5) . | 35 |
| | Fragment from interior, with polished surface showing a mottled grey, brecciated groundmass, with greyish chondri and much bright metallic matter. Reg. No. 155 (6) . . . | 21 |
| | Complete stone, almost covered with crust. Reg. No. 155 (7). | 5 |
| Fell 1910, November 24 . | *LAKANGAON*, Bhikangaon, Pargana Nimar, Indore, Central India. | |
| | Stone. Eukrite, Eu. Fragment with crust Interior | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1910, November 24 . | *LAKANGAON—contd.* greyish-white, brecciated, in portions of coarse and fine texture. Very friable. One end is stained a yellowish-grey. Dark augite crystals are visible in the groundmass, and the stone contains much anorthite felspar. Crust thin, shining or varnished black, easily detached from the stone. Reg. No. 253-B. . | 87 |
| | Fragment with crust. Like previous specimen. Reg. No. 253 . . . . | 93 |
| | Fragment with crust. Like previous specimen. Reg. No. 253-A. . . . | 25 |
| | Small fragments and dust. Reg. No. 253 . . . | 4 |
| | 1912 : Cotter : *Rec., Geol. Surv., Ind.*, Vol. XLII, Pt. 4, pp. 275-276. | |
| Fell 1887, April 7, 10-30 A.M. | *LALITPUR, (IHARAOTA)*, Lalitpur District, United Provinces, India. Stone. Veined howarditic chondrite, Choa. Large fragment with crust. Interior fine-grained, greyish-white, with rusted spots, compact, with a few, minute, metallic grains. Traversed by thin black veins. Slickensided. Crust thin, greyish to shining black, pitted. Reg. No. 193-A. . . . . | 128 |
| | Total weight of fall 372 gms. 1887 : Mallet : *Rec., Geol. Surv. Ind.*, Vol. XX, Pt. 3, pp. 153-154. | |
| Fell 1872, July 23 . . | LANCÉ, Loir-et-Cher, France. Stone. Carbonaceous spherical chondrite. Kc. Complete section across a stone with crust all round. Interior dark grey with numerous small, black, chondri and | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1872, July 28 . . | LANCÉ—*contd.*<br>brown ferruginous stains. Crust dull black and blebby. Reg. No. 188 . . . | 58 |
| Found 1814 . . . | LÉNÁRTO, Saros, Hungary.<br>Iron. Medium octahedrite, Om. Thin polished slab with one etched face showing Widmanstätten figures. Partly edged with natural surface. Reg. No. 102 (1) . . | 226 |
| | Small polished slab. Partly edged with natural surface. Reg. No. 102 (2) . . | 77 |
| Fell 1857, October 1 . . | LES ORMES, Yonne, France.<br>Stone. White chondrite, Cw. One small fragment with crust. The latter is dull and glossy black. Interior greyish-white with indistinct chondri and shining metallic points. Reg. No. 19 . . | —— |
| Found 1834 . . . | LIME CREEK (CLAIBORNE), Monroe County, Alabama, United States of America.<br>Iron. Normal Hexahedrite, H. Fragment with natural and etched surfaces. The latter shows short, straight lines of rhabdite. Reg. No. 18 . | 2 |
| | Fragment with natural and polished surfaces. Very rusted. Reg. No. 18 . . | 2 |
| Fell 1813, September 10 . | LIMERICK (ADARE, FAHA), Limerick County, Ireland.<br>Stone. Veined grey chondrite, Cga. Piece with crust and a partly polished surface. Interior dark grey showing chondri, iron stains and | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1813, September 10 . | LIMERICK (ADARE, FAHA), —*contd.* dark veins. Polished surface shows many bright metallic grains. Crust dull black, thin. Reg. No. 122 . . | 39 |
| | LINN COUNTY, *see* MARION. | |
| Fell 1854, September 5 . | LINUM, Brandenburg, Prussia. Stone. White chondrite, Cw. A few white and rusty white grains. Reg. No. 1 . . | —— |
| Known 1853 . . . | LION RIVER, Great Namaqualand, South Africa. Iron. Fine octahedrite, Of. Piece with natural, polished and etched surfaces. The latter show narrow but distinct Widmanstätten figures. Reg. No. 82 . . . This iron is perhaps the same as Mukerop. | 130 |
| Fell 1808, September 3 . | LISSA, Bunzlau, Bohemia, Austria. Stone. Veined white chondrite, Cwa. Fragment with crust. Interior light grey, flecked with rust and traversed by one dark vein. Shows a few, small, metallic points and white chondri. Crust thin, black and blebby. Reg. No. 123 . . . | 46 |
| Fell 1839, February 13 . | LITTLE PINEY (PINE BLUFF), Pulaski County, Missouri, United States of America. Stone. Spherical chondrite, Cc. Fragment from interior. Dirty grey and rather friable with numerous, small, metallic points. Reg. No. 97 . | 13 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1820, July 12 . . | LIXNA, Witebsk, Russia. | |
| | Stone. Veined grey chondrite, Cga. Fragment with crust. Interior dark grey flecked with rust and traversed by thin, dark veins. Numerous chondri and shining metallic grains are visible. Shows a slickensided surface. Crust thin, black and finely scoriaceous. Reg. No. 129 . . | 62 |
| | Fragment from interior. Like previous specimen. Reg. No. 129 . . . | 4 |
| Found 1888 . . . | LLANO DEL INCA, Atacama, Chili | |
| | Iron-Stone. Mesosiderite, M. Complete individual with dark brown, irregular, cracked surface. A few olivine crystals are visible. Reg. No. 207 (1) . . . | 44 |
| | Fragment with natural and polished surfaces. The latter show silicates and a few metallic grains. Reg. No. 207 (2) . . . . | 31 |
| | Broken slab. Polished on two surfaces. No metallic grains are visible. Reg. No. 207 (3) . . . | 17 |
| Fell 1868, October 1 . . | *LODRAN*, Multan, Punjab. | |
| | Iron-Stone. Lodranite, Lo. Largest piece of fall. Beautiful, small, clear yellowish-green olivine crystals in a nickel-iron matrix. The latter only rusts very slightly superficially. Crust thin, dull to glossy black, papillated by small, melted globules of nickel-iron. Reg. No. 163 . . . . | 685 |
| | Fragments. Reg. No. 163 . | 5·8 |
| | 1869: Oldham: *Rec., Geol. Surv., Ind.*, Vol. II, Pt. 1, pp. 20 & 34. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1892 . . . | LONG ISLAND, Phillips County, Kansas, United States of America.<br>Stone. Veined intermediate chondrite, Cia. Fragment with oxidised edge and polished surface. Interior dark brown, very compact and fine-grained with a few, bright, metallic grains. Reg. No. 229 . . . . | 127 |
| Fell 1768, September 13 . | LUCÉ, Sarthe, France.<br>Stone. Veined white chondrite, Cwa. Fragment from interior, one face cut and polished. Light ash-grey, flecked with rust spots and small, metallic grains. Numerous small chondri and one large one are visible. Reg. No. 75 . . . | 6 |
| Found 1896 . . . | LUIS LOPEZ, Socorro County, New Mexico, United States of America.<br>Iron. Medium octahedrite, Om. Thin slab, partly edged with natural surface. One face etched, shows distinct Widmanstätten figures. Reg. No. 147 (1) . . | 32 |
| | Small slab, partly edged with natural surface. An etched face shows well developed Widmanstätten figures and small streaks of schreibersite. Reg. No. 147 (2) . . | 14 |
| Fell 1813, December 13 . | LUOTOLAKS, Viborg, Finland, Russia.<br>Stone. Howardite, Ho. Light grey fragments with a glassy grey and black crust. Reg. No. 8 . . . . | —— |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1753, September 7 . | LUPONNAS, Ain, France.<br>Stone. Brecciated intermediate chondrite, Cib. Fragment from interior. Light grey and dark grey brecciated groundmass with abundant small chondri. Reg. No. 18 | —— |
| Fell 1836, November 11 . | MACAO, Rio Grande do Norte, Brazil.<br>Stone. Veined intermediate chondrite, Cia. Fragment with crust. Interior dark grey and compact showing chondri and bright, metallic grains. Crust thin, black. Both crust and interior are deeply rust stained. Reg. No. 82 . . . . | 7 |
| Found 1854 . . . | MADOC, Hastings County, Ontario, Canada.<br>Iron. Fine octahedrite, Of. Thin slab partly edged with crust. Etched surface shows indistinct Widmanstätten figures. Reg. No. 52 (2) . | 18 |
| | *MADDUR TALUQ*, *see MUDOOR.* | |
| Fell 1886, November 10 . | MAÊMÉ (YENSHIGAHARA), Satsuma, Japan.<br>Stone. Veined white chondrite, Cwa. Corner fragment, three sides of which are covered with crust. Interior rusted dirty grey, with chondri and metallic grains. Crust thin, dull to glossy black, minutely scoriaceous, with broad, shallow pittings. Reg. No. 213 . | 112 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Described 1844 . . . | MAGURA (ARVA), Hungary. | |
| | Iron, coarse octahedrite, Og. Large piece with crust and two polished surfaces. Reg. No. 106 . . . . | 524 |
| | Large piece with crust and one polished surface. Reg. No. 106 . . . . | 324 |
| | Small piece with crust and two polished surfaces. Reg. No. 106 . . . . | 27 |
| | Small piece with crust. Reg. No. 106 . . . . | 40 |
| | *MAILSI*, *see KHAIRPUR.* | |
| Found 1852 . . . | MAINZ, Hesse, Germany. | |
| | Stone. Veined intermediate chondrite, Cia. Large fragment, polished. Mottled dark reddish-brown traversed by darker veins, showing the outlines of chondri and a few grains of bright nickel-iron. This stone is very much altered by weathering. Reg. No. 148 (1) . . | 196 |
| | Small fragment with a polished patch, traversed by numerous veins, shows many bright metallic grains. Reg. No. 148 (2) . . . | 5 |
| | *MANBAZAR PARGANA*, *see MANBHOOM.* | |
| Fell 1863, December 22 . | *MANBHOOM* (*MANBAZAR PARGANA*). | |
| | Stone. Amphoterite, Am. Large fragment with crust. Interior light grey, with a few, indistinct crystals. Crust thin, dull to brownish-black, pitted. Reg. No. 172 . . . . . | 688 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes |
|---|---|---|
| Fell 1863, December 22 | *MANBHOOM (MANBAZAR PARGANA)—contd.* | |
| | Small fragments. Reg. No. 172 | 1·8 |
| | 1864: Haidinger: *Wien Akad. Ber.*, Vol. L, Pt. 2, pp. 241-246. | |
| Fell 1843, June 29 | *MANEGAON*, Bhusawal, East Khandesh District, Bombay, India. | |
| | Stone. Chladnite, Chl. Fragment with crust. Interior light grey, friable, with numerous, large, yellowish-green crystals. Crust thin, dull black, with many bright papillations. Reg. No. 117 | 15 |
| | Fragment from interior. Like previous specimen. Reg. No. 117 | 17 |
| | 1844: Abbott: *Journ., Asiatic Soc., Bengal*, Vol. XIII, pp. 880-886. | |
| Fell 1847, February 25 | MARION (LINN COUNTY), Iowa, United States of America. | |
| | Stone. Veined white chondrite, Cwa. Large fragment from interior. Dull grey flecked with rust and traversed by thin veins. Chondri indistinct. Abundant, small, metallic veins. Reg. No. 158 (1) | 165 |
| | Fragment with crust. The latter is thick, dull black, minutely cracked and pitted. Reg. No. 158 (2) | 160 |
| | Fragment with crust. A vein which traverses this piece seems to mark a slickensided surface. Reg. No. 158 (3) | 142 |
| | Fragment with crust and an oxidised, slickensided surface. Reg. No. 158 (4) | 129 |
| | Fragment with crust. Reg. No. 158 (5) | 29 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Described 1860 . . . | MARSHALL COUNTY, Kentucky, United States of America. | |
| | Iron. Medium octahedrite, Om. Slab with natural edge, polished and etched faces. The latter show poor Widmanstätten figures. Reg. No. 85 (1). | 94 |
| | Slab with natural edge, polished and etched faces, showing Widmanstätten figures. Reg. No. 85 (2) . . . . . | 71 |
| Fell 1835, January 31 . | MASCOMBES, Correze, France. | |
| | Stone. White chondrite, Cw. Two small fragments from interior, greyish-white with indistinct chondri and a few, very small, metallic points. Slightly rusted. Reg. No. 47 | 1·3 |
| Fell 1803, December 13 . | MÄSSING (ST. NICHOLAS), Bavaria. | |
| | Stone. Howardite, Ho. Fragment from interior. Greyish-white with well developed, darker crystals. Reg. No. 45 | 2 |
| | *MAU see MHOW.* | |
| Fell 1768, November 20 . | MAUERKIRCHEN, Upper Austria. | |
| | Stone. White chondrite, Cw. Fragment with crust. Interior white with chondri and shining metallic points. Crust dull black, rough, scoriaceous. Reg. No. 79 . . . | 3·4 |
| Fell 1870 . . . . | McKINNEY, Collin County, Texas, United States of America. | |
| | Stone. Black chondrite, Cs. Piece from interior. Greenish black, granular but compact, showing outlines of chondri, and numerous small, bronzy pieces of sulphide. Reg. No. 202 . . . . . | 195 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell about 1860-62 . . | *MEERUT*, Meerut District, United Provinces. India. | |
| | Stone. Intermediate chondrite, Ci. Fragment from interior, cut into a knife handle. The polished surface shows a mottled grey groundmass with numerous, well developed, light and dark coloured chondri, and coarse metallic grains. The piece has been broken and recemented. Reg. No. 203 . . . . | 22 |
| | 1901: Blyth: *Calcutta Catalogue*, p. 3. | |
| Fell 1862, October 7 . . | MENOW, Mecklenburg, Germany. | |
| | Stone. Crystalline spherical chondrite, Cck. Large mass forming one end of a complete stone, with polished face and crust. Interior black with large black chondri and very numerous, scattered, shining, metallic grains. Texture coarse. Crust thick, dull black, very rough and does not adhere well to the stone. Reg. No. 180 . . . | 2,712 |
| Known 1884 . . . | MERCEDITAS, Chañaral, Chili. | |
| | Iron. Medium octahedrite, Om. Large slab, $17 \times 11 \times 0{\cdot}5$ cms., with natural edge in part. An etched face shows well developed Widmanstätten figures and large troilite inclusions. Reg. No. 133 . . . | 651 |
| | Etched slab with natural edge in part showing Widmanstätten figures and a narrow zone of alteration inside the natural surface. Reg. No. 120 . | 180 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1859, April 4 . . | MEXICO, Pampanga Province, Luzon, Philippine Islands. | |
| | Stone. Brecciated grey chondrite, Cgb. Fragment with polished surface and crust. Interior light grey with chondri and shining metallic grains. Crust rough, glossy greyish-black to black. Reg. No. 49. . . . . | 2 |
| Fell 1852, September 4 . | MEZÖ-MADARAS, Transylvania, Austria. | |
| | Stone. Brecciated grey chondrite, Cgb. Complete section with polished surface and crust. Interior mottled dark, light and brownish grey. In it are very numerous, well defined, light and dark chondri, which often attain a large size, interspersed with many shining grains of nickel-iron. Crust very thin, dull to reddish-black, rough and pitted. Reg. No. 167 (1) . . . | 447 |
| | Small fragment with polished surface and crust. Reg. No. 167 (2) . . . . | 55 |
| | Almost complete individual with crust. Reg. No. 167 (3). | 38 |
| Fell 1827, February 16 . | *MHOW*, Azamgarh District, United Provinces, India. | |
| | Stone. Intermediate chondrite, Ci. Fragment with crust and one polished surface. Interior light grey, coarse, with well developed lighter and darker chondri, coarse metallic grains and numerous rust spots. Crust thin, dull black with glossy black patches, minutely cracked and pitted. Reg. No. 142 . . . . . | 128 |
| | 1828 : *Edinburgh Journal of Science*, July 1828, p. 172. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1889, June 18 | MHOW, Kherson, Russia. | |
| | Stone. Carbonaceous chondrite, K. Fragment from interior, dull black, friable, with small lighter chondri. Slightly soils the fingers. Reg. No. 235 | 15 |
| Fell 1842, April 26 | MILENA, Croatia, Austria. | |
| | Stone. White chondrite, Cw. Fragment from interior, five cut surfaces. Light grey, showing chondri and coarse shining grains of nickel-iron. Reg. No. 87 | 10 |
| | Fragment with crust. Interior like previous specimen. Crust thin, smooth, glossy black. Reg. No. 87 (2) | 4 |
| Found 1857 | MINCY, Taney County, Missouri, United States of America. | |
| | Iron-Stone. Mesosiderite, M. Sawn slab with one polished surface, showing reticulated metallic portion holding silicate grains, which in places are gathered into larger nodules. Reg. No. 134 | 403 |
| | Fragment with natural crust and two polished surfaces. Metallic and silicate portions about equally distributed. Reg. No. 21 | 3 |
| | This specimen was previously registered as Newton County. | |
| | Small polished fragment showing both the metallic and silicate portions. Reg. No. 2 | —— |
| Fell 1910, January 7, 11-30 A.M. | *MIRZAPUR*, Ghazipur District, United Provinces, India. | |
| | Stone. Veined intermediate chondrite, Cia, and brecciated intermediate chondrite, Cib, in part. Large mass partly covered with crust. The latter is thin, patchy, papillated | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1910, January 7, 11-30 A.M. | *MIRZAPUR—contd.* | |
| | and deeply pitted in places. In colour it ranges from greyish to glossy black. Interior light ash-grey with light-coloured chondri and very little metallic matter. Troilite occurs in large nodules and in veins. The mass is traversed by well-defined series of black branching veins. Slickensiding visible in two places. Reg. No. 250-A. . | 8,305 |
| | Small mass with a little crust. The interior is more brecciated than in the case of the previous specimen. Reg. No. 250-B. . . . . | 208 |
| | Fragments. Reg. No. 250-C. | |
| | 1912: Cotter: *Rec., Geol. Surv., Ind.*, Vol. XLII, Pt. 4, pp. 272-273 . . . . | 1·8 |
| Known 1804 . . . | MISTECA (YANHUITLAN), Oaxaca, Mexico. | |
| | Iron. Medium octahedrite, Om. Small fragment with natural and etched surfaces. The latter show Widmanstätten figures. Reg. No. 43 . . | 18 |
| | Thin slab partly edged with crust. An etched face shows distinct Widmanstätten figures. Reg. No. 148 . | 147 |
| Fell 1882, February 3 . | MOCS, Kolos, Hungary. | |
| | Stone. Veined white chondrite, Cwa. Complete individual tetrahedral in form, with rounded angles. Covered with black crust with the exception of one corner, where the coarse, greyish interior, with rust spots, is seen. Crust black to dark reddish-black. Reg. No. 224 . . . | 112 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1858, December 24 . | MOLINA, Murcia, Spain. | |
| | Stone. Brecciated grey chondrite, Cgb. Fragment with crust. Interior dark grey with lighter chondri, somewhat rusted. Crust thin, black to rusty brown, rough. Reg. No. 60 . | 2 |
| Fell 1849, October 31 . . | MONROE (CABARRUS COUNTY or FLOWS), North Carolina, United States of America. | |
| | Stone. Veined grey chondrite, Cga. Large fragment with crust and polished surface. Dark grey with greyish-white chondri and abundant metallic grains. Crust thin, black, scoriaceous. Reg. No. 143 (1) | 73 |
| | Smaller fragment with crust. Like previous specimen. Reg. No. 143 (3) . . . | 24 |
| | Fragment with crust. Reg. No. 143 (4) . . . . | 2 |
| Fell 1846, May 8 . . | MONTE MILONE, Macerata, Italy. | |
| | Stone. Brecciated white chondrite, Cwb. Fragment with crust. Interior greyish-white with a few chondri. Crust smooth, thin, reddish-black. Reg. No. 100 . . . | 13 |
| Fell 1810, August . . | MOORESFORT, Tipperary County, Ireland. | |
| | Stone. Brecciated spherical chondrite, Ccb. Fragment with one polished surface and crust. Interior mottled brownish-grey and ash-grey, compact, with numerous, coarse, metallic grains and well developed white and darker chondri. Crust thin, dull black, minutely scoriaceous. Reg. No. 113 . . . | 25 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1808 . . . . | *MORADABAD*, Moradabad District, United Provinces, India. | |
| | Stone. White chondrite, Cw. Fragment with crust. Characters of the interior obscured by rusting. Crust thin, dull black. Reg. No. 112 . | 27·5 |
| | Fragment from interior, white with small chondri and rust spots. Reg. No. 112 . . | —— |
| | 1828 : *Edinburgh Journal of Science*, July, p. 172. | |
| Fell 1868, December 22 . | *MOTI-KA-NAGLA*, Biana District, Bharatpur State, Rajputana, India. | |
| | Stone. Crystalline chondrite, Ck. Largest piece of fall with crust and sawn surface. Interior dark greyish-brown, very fine-grained, crystalline. Chondritic structure only visible on close examination. Crust thin, dull black and blebby, does not adhere well, marked by broad, shallow pits. Reg. No. 173 (1) . | 1,117 |
| | Small fragment with crust and fractured surface. Texture fine-grained and crystalline. Chondri and numerous, minute, metallic points visible. Most of the crust has become detached. Reg. No. 173 (2) . | 73 |
| | 1880 : Fedden : *Calcutta Catalogue*, p. 26. | |
| Fell 1902, July 17 . . | MOUNT BROWNE, Evelyn County, New South Wales. | |
| | Stone. Spherical chondrite, Cc. Slice with two polished surfaces, edged with crust. Interior light grey, with numerous, well-marked, darker chondri, many shining metallic grains and rust spots. Crust thin, dull to glossy black. Reg. No. 242 . . | 48 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1902 July 17 . . | MOUNT BROWNE—*contd.*<br>Fragment with crust. Reg. No. 242 . . . . . | 3 |
| Found 1887 . . . | MOUNT JOY, Adams County, Pennsylvania, United States of America.<br>Iron. Coarsest octahedrite, Ogg. Thick etched section, 29×11×1 cms. with crust. The characteristic fragmental structure of this iron is well exhibited. It is now breaking up through internal decomposition. Reg. No. 157 . | 1,240 |
| Found 1868 . . . | MOUNT VERNON, Christian County, Kentucky, United States of America.<br>Iron-Stone. Pallasite, Krasnojarsk group, Pk. Rounded masses of dark yellow olivine, translucent to opaque, with fragmentary rust. This specimen was originally a large polished slab, but it has now fallen to pieces. Reg. No. 227 | 1,194 |
| | *MOW see MHOW.* | |
| Fell 1865, September 21 . | *MUDOOR (MADDUR TALUK)*, near Annay Doddi, Mysore. India.<br>Stone. Spherical chondrite, Cc. Large tetrahedral fragment, mostly covered with crust. The latter is thin, dull black with glossy blebs, on one side very scoriaceous and on another somewhat pitted. Interior light grey, rather friable, with very numerous, well developed, projecting, spherical chondri, and depressions once occupied by them. Reg. No. 178 . . . | 1,597 |
| | 1865: Bowring: *Proc., Asiatic Soc., Bengal*, p. 195. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1899 . . . | MUKEROP, Gibeon District, Great Namaqualand, South Africa.<br>Iron. Finest octahedrite, Off. Complete slice, 35×32 cms, one face etched showing well defined and typical Widmanstätten figures, which are different on either side of a median line through the slice. A few small troilite inclusions also occur. Reg. No. 159 . | 3,920 |
| Found 1910 . . | AMALIA FARM.<br>Thin section with one etched face showing well-defined, straight Widmanstätten figures and numerous, small, troilite nodules. Reg. No. 161 . . . . . | 170 |
| | I regard the Mukerop and Amalia Farm irons as identical. | |
| Found 1897 . . . | MUNGINDI, Queensland, Australia.<br>Iron. Finest octahedrite, Off. Slab with natural edge in part and an etched face showing well-marked Widmanstätten figures and large troilite inclusions. Reg. No. 142 . | 122 |
| | MURCIA, *see* MOLINA. | |
| Found 1847 . . . | MURFREESBORO', Rutherford County, Tennessee, United States of America.<br>Iron, Medium octahedrite, Om. Small piece with polished and etched faces. The latter shows indistinct Widmanstätten figures. Reg. No. 29 . . | 6 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1875, April 24 . . | *NAGARIA*, Fatehabad Pargana, Agra District, United Provinces, India.<br>Stone. Eukrite, Eu. Fragments with crust. The latter is thin, shining black, vitreous, roughened, easily scales off. Interior white, speckled with dark greenish-grey augite crystals. Friable. Reg. No. 83 | ---- |
| | 1876 : Medlicott: *Journ., Asiatic Soc., Bengal*, pp. 222-223. | |
| Fell 1886, January 27 . | *NAMMIANTHAL*, South Arcot District, Madras, India.<br>Stone. Veined spherical chondrite, Cca. Large mass with two sawn and two fractured surfaces, largely covered with crust. Interior grey, much rusted, with numerous, very small, projecting chondri. On the sawn surfaces, which have been varnished, very numerous coarse grains of nickel-iron are visible, collected into a narrow vein in one place. The texture is coarse but quite firm. Crust thin, dull black, minutely scoriaceous, and traversed by a system of fine, intersecting cracks. It is marked in places by broad, shallow pits. Reg. No. 192 . . | 1 353 |
| | 1886 : Medlicott : *Rec., Geol. Surv., Ind.*, Vol. XIX, pt. 4, p. 268.<br>1886 : Daubree : *Comptes Rendus*, 1886, p. 726.<br>Original weight 4,433 gms. | |
| Fell 1825, February 10 . | NANJEMOY, Charles County, Maryland, United States of America.<br>Stone. Spherical chondrite, Cc. Fragment with crust. Interior | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1825, February 10 . | NANJEMOY—*contd.* grey, rather coarse, with projecting chondri, and many well distributed metallic grains. Crust thin, dull black, traversed by a system of minute cracks, and crossed by a series of fine lines. Reg. No. 132 . . . . . | 39 |
| Fell 1890, June 6, 6 P.M. . | *NAWAPALI*, Sambalpur District, Central Provinces, India. Stone. Carbonaceous chondrite, K. Fragment with crust. Interior dull black, compact and structureless to the naked eye. By means of a lens the chondritic structure is just discernible. Crust thin, smooth for the greater part but slightly pitted on one side; dark reddish-black, and minutely scoriaceous, it splits easily from the stone. A scanty efflorescence of very small, white crystals has grown on the interior portion. Reg. No. 212 (*a*) . | 28 |
| | Fragment from exterior, partly covered with a shining black, film-like crust. Interior like previous specimen, though the efflorescence is more marked. Reg. No. 212 (*c*) . | 10 |
| | Fragments and powder. Reg. No. 212 (*g*) . . . | 3 |
| | 1901 : Blyth : *Calcutta Catalogue*, p. 4 | |
| | NEBRASKA, *see* FORT PIERRE. | |
| Fell 1870, January 23 . | *NEDAGOLLA*, Vizagapatam District, Madras, India. Iron. Ataxite, Nedagolla group, Dn. Part of mass showing natural, polished and one etched surface. The latter is bounded by a continuous | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1870, January 23 . . | *NEDAGOLLA—contd.* darker band, 2 mms. thick, and only shows an irregular graining. Part of the outer surface is smooth and bright, and the other part is coated with a thin black crust. The concave under-surface is partly covered with a thin black film, and is traversed right across by a series of well developed lines. Reg. No. 90 . . | 215 |
| | 1870: Saxton: *Proc., Asiatic Soc., Bengal*, pp. 64-65. | |
| Described 1887 . . . | NEJED, Central Arabia. Iron. Medium octahedrite, Om. Thin slab with crust and polished surfaces. Reg. No. 118 (1) . . . . | 107 |
| | Thin slab with crust. Etched, shows distinct Widmanstätten figures. Reg. No. 118 (2) . | 46 |
| Found 1860 . . . | NELSON COUNTY, Kentucky, United States of America. Iron. Coarsest octahedrite, Ogg. Slab with crust and etched surface. Slight indications of Widmanstätten figures are faintly visible. Reg. No. 98 (1) . . . | 81 |
| | Small slab with polished surfaces. Reg. No. 98 (2) . | 34 |
| | Small fragment of crust, somewhat oxidised. Reg. No. 98 (4) . . . . . | 4 |
| Fell 1864, April 12 . . | NERFT, Courland, Russia. Stone. Veined intermediate chondrite, Cia. Fragment from interior. Mottled ash-grey and rusty brown, showing chondri and a few, small, metallic points. Traversed by a delicate vein. Reg. No. 63 . . . . . | 2 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1897 . . . | NESS COUNTY, Kansas, United States of America. | |
| | Stone. Crystalline chondrite, Ck. (According to Farrington. Brecciated intermediate chondrite, Cib, according to Ward). Nearly complete individual almost covered with a very rusted, smooth, black crust. The interior is so rusted that the nature of this particular specimen is indeterminable. Reg. No. 217 | 388 |
| | NETSCHAJEVA, *see* TULA. | |
| Fell 1860, May 1 . . | NEW CONCORD, Muskingum County, Ohio, United States of America. | |
| | Stone. Veined intermediate chondrite, Cia. Large, complete individual of approximate tetrahedral form, angles little rounded. A smooth, slightly pitted, dull to shining black crust covers the surface. One corner of the stone has been broken off and recemented. Reg. No. 182 (1) | 3,763 |
| | Fragment with crust. Interior light grey, compact and rather coarse-grained, with abundant chondri and a few metallic points. Crust thin, black and smooth. The fragment has been fractured and recemented together. Reg. No. 182 (2) . . . | 392 |
| | Fragment with crust. Like previous specimen. Reg. No. 182 (3) . . . . | 379 |
| | Fragment from interior, with polished surface. Dark grey, with abundant, shining, metallic grains. Reg. No. 182 (4) | 69 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1860, May 1 . . | NEW CONCORD—*contd.*<br>It is doubtful if this piece belongs to the New Concord fall.<br>Fragment with crust and polished surfaces. Crust minutely scoriaceous. More abundant metallic grains visible in interior. Reg. No. 182 (6) . | 18 |
| | NEWTON COUNTY, *see* MINCY. | |
| Fell 1823, August 7 . . | NOBLEBOROUGH, Lincoln County, Maine, United States of America.<br>Stone. Howardite, Ho. Fragment from interior. Greyish-white, fine-grained, with a few white and darker spots. Reg. No. 14 . . . | —- |
| Known 1895 . . . | NOCOLECHE, Wanaaring, New South Wales.<br>Iron. Medium Octahedrite, Om. Thin slab, partly edged with natural crust. Etched face shows cleavage and indistinct Widmanstätten figures. Reg. No. 144 . . . | 21 |
| Fell 1851, November 5 . | NULLES, Catalonia, Spain.<br>Stone. Brecciated grey chondrite, Cgb. Fragment with crust and two polished surfaces. Interior dark grey, with numerous, scattered, bright metallic grains. Crust thin, black, papillated, rather rusted. Reg. No. 81 . . | 9 |
| Found 1895 . . . | OAKLEY, Logan County, Kansas, United States of America.<br>Stone. Crystalline chondrite, Ck. Fragment with a polished surface. Interior firm, black, with numerous scattered, tiny metallic grains | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1895 . . . | OAKLEY—*contd.* and outlines of chondri. Edge black to reddish-black; perhaps remains of crust. Reg. No. 216 . . . . | 55 |
| Recognised 1863 . . | OBERNKIRCHEN, Schaumburg-Lippe, Germany. Iron. Fine octahedrite, Of. Small polished fragment, with natural crust. Reg. No. 7 . | 0·6 |
| | OCHANSK, *see* TABORY. | |
| Fell 1855, May 11 . . | OESEL ISLAND, Baltic Sea. Stone. White chondrite, Cw. Fragment from interior. Greyish-white, with chondri and a few metallic points. Somewhat rusted. Reg. No. 84 | 10 |
| Fell about 1730 . . | OGI, Hizen, Japan. Stone. White chondrite, Cw. Fragment with crust and smoothed surfaces. Interior greyish-white, coarse-grained, showing white and greyish-white chondri, finely scattered metallic grains and rust spots. Crust thin, black, scoriaceous. Reg. No. 196 . . . | 21 |
| Fell 1857, October 11 . . | OHABA, Karlsburg, Transylvania, Austria. Stone. Veined grey chondrite, Cga. Fragment with crust. Interior grey, with chondri, grains of troilite and rust spots. Crust thin, dull black, scoriaceous. Reg. No. 57 . | 3 |
| Fell 1834, January 8 . . | OKNINY, Volhynia, Russia. Stone. Brecciated grey chondrite, Cgb. Small grey fragments. Reg. No. 5 . . | —— |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Described 1857 . . | OKTIBBEHA COUNTY, Mississippi, United States of America. Iron. Ataxite, Babbs Mill group, Db. Small polished fragment, partly edged with natural crust. Reg. No. 12 . . | 1 |
| Known 1855 . . . | ORANGE RIVER, South Africa. Iron. Medium octahedrite, Om. Etched fragment, partly edged with natural surface, which is smooth and pitted. Shows typical Widmanstätten figures. Reg. No. 64 (1) . . . | 66 |
| Fell 1864, May 14 . . | ORGUEIL, Tarn et Garonne, France. Stone. Carbonaceous chondrite, K. Coarse, friable, black powder, with an efflorescence of small white crystals. Reg. No. 121 . . . . | 42 |
| | Like previous specimen. Reg. No. 121-B . . . . | 52 |
| Fell 1868, July 11 . . | ORNANS, Doubs, France. Stone. Ornansite, Cco. Sawn fragment with crust. Farrington's description of the specimen in the Field Museum of Chicago, applies perfectly to the Calcutta one:—"resembles a lump of hardened sandy mud". Crust thin, black, scoriaceous, does not adhere well. Reg. No. 139 . | 59 |
| | Fragment from interior. Like previous specimen. Reg. No. 139 . . . . | 23 |
| | OTUMPA, *see* CAMPO DEL CIELO. | |
| Fell 1881, June 18 . . | PACULA, Jacala District, Hidalgo, Mexico. Stone. Brecciated white chondrite, Cwb. Fragment with a little crust. The latter is thin, | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1881, June 18 . . | PACULA—*contd.*<br>dull black and smooth. Interior light grey, with well developed chondri. Rather friable. Reg. No. 231 . | 9 |
| | PALLAS IRON, *see* KRASNOJARSK. | |
| Fell 1857, February 28 . | *PARNALLEE*, Madura District, Madras, India.<br>Stone. Veined grey chondrite, Cga. Fragment with crust. The latter is thin, dull black, and scoriaceous. Interior mottled grey, coarse-grained, with large light and dark chondri. Reg. No. 144 (1) . | 82 |
| | Fragment from interior, with one polished surface, dark brownish-grey in colour, mottled with grey and white chondri of various sizes. A few, small, metallic and troilite grains are visible. Reg. No. 144 (2) . . . . | 69 |
| | 1857 : Taylor : *Trans., Geog. Soc., Bombay*, Vol. XIII, App. B, pp. 5-7.<br>1861 : Haidinger : *Wien Akad. Ber.*, Vol. XLIII, Pt. 2, pp. 307-309. | |
| Fell 1830, May 17 . . | PERTH, Scotland.<br>Stone. Intermediate chondrite, Ci. Small fragment with polished surface, showing outlines of chondri, and numerous shining metallic grains in a greyish groundmass. A little thin, black crust is also present. Reg. No. 29 . | —·· |
| Fell 1855, Aug. 5 . . | PETERSBURG, Lincolin County, Tennessee, United States of America.<br>Stone. Howardite, Ho Fragment with crust. Interior light | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1855, Aug. 5 . . | PETERSBURG—*contd.* | |
| | grey, with white spots and well-marked, darker crystals. Friable. Crust thin, shining black, blebby. Reg. No. 131 (1) . . . . | 22 |
| | Fragment from interior. White with darker markings. Felspars well exhibited. Coarse, granular, friable. This piece is somewhat different from the others. Reg. No. 131 (2) | 3·6 |
| | Two fragments from interior. Like first specimen. Reg. No. 131 (3) . . . | 2·7 |
| Found 1840 . . . | PETROPAVLOVSK, Tomsk, Siberia. | |
| | Iron. Medium octahedrite, Om. Fragment with crust, an etched surface showing indistinct Widmanstätten figures. Reg. No. 32 . . | 6 |
| Fell 1863, August 3 . . | PILLISTFER, Livonia, Russia. | |
| | Stone. Crystalline chondrite, Ck. Fragment with crust. Interior dark brownish-grey, compact, finely crystalline. Crust very thin, dull black, does not adhere well. Reg. No. 95 . . . | 17 |
| | Fragment with crust. Like previous specimen. Reg. No. 95 . . . . | 4 |
| | PINE BLUFF, *see* LITTLE PINEY. | |
| Fell 1882, August 29 . . | PIRGUNJE, Dinajpur District, Bengal, India. | |
| | Stone. Veined white chondrite, Cwa. Fragment with crust. The latter is thin, dull to glossy black, pitted. Interior fine-grained, greyish-white with grains and points of nickel iron and some troilite. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1882, August 29 . . | PIRGUNJE—*contd.*<br>Traversed by delicate, black veins. Reg. No. 246 . . | 16 |
| | 1892 : Hauer : *Ann. Hofmuseum*, Vol. VII, p. 73.<br>1907 : Fermor : *Rec., Geol. Surv. Ind.*, Vol. XXXV, Pt. 2, pp. | |
| Fell 1884, February 9 . | *PIRTHALLA*, Hissar District, Punjab, India.<br>Stone. Brecciated spherical chondrite, Ccb. Large fragment nearly covered with crust. Interior light grey, very mottled with rust. Rather friable. Very numerous, well developed chondri are present, and much metallic matter both as small grains and larger pieces. Crust thin, dull black, cracked and pitted. Reg. No. 189 . . . | 471 |
| | 1885 : Medlicott : *Rec., Geol. Surv. Ind.*, Vol. XVIII, p. 148.<br>Original weight 1,160 gms. | |
| Described 1850 . . | PITTSBURG, Allegheny County, Pennsylvania, United States of America.<br>Iron. Hexahedrite, H. (According to Ward this iron belongs to the coarsest octahedrite group, Ogg ; but Klein places it amongst the coarse octahedrites, Og.) Etched fragment with crust. It does not exhibit any Widmanstätten figures. Reg. No. 30 . | 8 |
| Found 1893 . . . | PLYMOUTH, Marshall County, Indiana, United States of America.<br>Iron. Medium octahedrite, om. Full sized slab, 18×6·5×1 | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1893 . . . | PLYMOUTH—*contd.*<br>cms., with natural crust on edge and polished and etched surfaces. The latter shows very distinct Widmanstätten figures. Reg. No. 132 (1) . . . | 559 |
| | Small slab with natural edge in part and edged surfaces showing distinct Widmanstätten figures and small schreibersite inclusions. Reg. No. 132 (2) . . . . | 33 |
| Fell 1866, May 27 . . | *POKHRA*, Basti District, United Provinces, India.<br>Stone. Crystalline chondrite, Ck. Almost complete stone, roughly spherical in outline, sawn and fractured on one side. Interior coarse granular, crystalline, brownish-grey with small, black chondri, and much rusted nickel-iron. Crust thin, dull black, very rough, easily splits away from the stone. Reg. No. 149 . | 258 |
| | 1867: Oldham: *Calcutta*: *Catalogue*, p. 4. | |
| Fell 1819, October 13 . | POHLITZ, Gera, Thüringen, Germany.<br>Stone. Veined white chondrite, Cwa. Fragment with crust. Interior dirty grey with lighter chondri and rust spots, traversed by delicate veins. Crust thin, dull black and smooth. Reg. No. 93 . . . | 12 |
| | POLTAVA, *see* SLOBODKA. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1859 . . . | PORT ORFORD (ROGUE RIVER MOUNTAINS), Oregon, United States of America. | |
| | Iron-Stone, Pallasite, Krasnojarsk group, Pk. A small, polished piece of metal from the crust, and a few granular fragments. Reg. No. 1 . | —— |
| | It is impossible to tell the nature of this meteorite from the Calcutta specimen. In Feddon's catalogue it was registered as siderolitic. Its classification as a Pallasite is given on the authority of Brezina and Wulfing, while Ward states that it belongs to the Krasnojarsk group . . | —— |
| | POWDER MILL CREEK, *see* CRAB ORCHARD. | |
| Fell 1863, March 16 . . | *PULSORA*, Ratlam State, Central India, India. | |
| | Stone. Brecciated intermediate chondrite, Cib. Nearly complete stone, the greater part of which is covered with crust. Irregular shape with rather rounded angles and deep pittings. The crust is thin, dull to brownish-black, minutely cracked and papillated. Interior brecciated, light and dark grey, with chondri and a few small metallic grains, somewhat rusted. Reg. No. 162 (1) . . . | 511 |
| | Small fragment with crust. Like previous specimen. Reg. No. 162 (2) . . . | |
| | 1867 : Oldham : *Calcutta Catalogue*, p. 8. | |
| | 1869 : Buchner : *Vierter Nachtrag. Pogg. Ann.*, Vol. CXXXVI, pp. 454-455. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1868, January 30 . | PULTUSK, Poland, Russia. | |
| | Stone. Brecciated grey chondrite, Cgb. Nearly complete individual almost entirely covered with crust. The latter is thin, dull black to rusty black, papillated, pitted, pierced in places by small spots of fused nickel-iron. Interior mottled grey and rusty brown, traversed by a well-marked vein. Reg. No. 135 . . | 107 |
| Found 1839. . . . | PUTNAM COUNTY, Georgia, United States of America. | |
| | Iron. Fine octahedrite, Of. Piece with somewhat oxidised natural surface, and an etched face showing indistinct Widmanstätten figures. Reg. No. 62 (1) . . . . | 34 |
| | Fragment partly edged with crust. An etched face shows distinct Widmanstätten figures, Reg. No. 62 (2) . | 26 |
| | Rusted cleavage fragments. Reg. No. 62 (3) . . . | 0·5 |
| Fell 1857, December 27 . | *QUENGGOUK*, Bassein District, Lower Burma. | |
| | Stone. Spherical chondrite, Cc. Large tetrahedral mass, partly covered with crust. Interior light ash-grey, coarse and somewhat friable. Very numerous, projecting chondri, some of which attain a considerable size, are visible. Crust thin, dull black, scoriaceous and roughened, broadly pitted on one side. Reg. No. 177 . . . . . | 2,294 |
| | Small fragments with crust. Reg. No. 177 . . . | 21·3 |
| | Small fragments and powder. Reg. No. 177 . . . | 17·7 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1857, December 27 . | *QUENGGOUK—contd.*<br>1860: Haidinger: *Wien Akad., Ber.*, Vol. XLI, pp. 750-751.<br>*Proc., Asiatic Soc., Bengal*, Vol. XXIX, pp. 416-418. | |
| Found 1882 . . . | RANCHO DE LA PILA, Durango, Mexico.<br>Iron. Medium octahedrite, Om. Fragment partly edged with crust. An etched surface shows indistinct Widmanstätten figures. Reg. No. 154 | 43 |
| Found 1810 . . . | RASGATA, Columbia, South America.<br>Iron. Ataxite, Siratik group, Ds. Piece with natural, polished and etched surfaces. The latter is minutely stippled. Reg. No. 71 . . . | 60 |
| Mentioned 1808 . . | RED RIVER (CROSS TIMBERS), Texas, United States of America.<br>Iron. Medium octahedrite, Om. Large slab with a little natural crust on one edge. An etched face shows Widmanstätten figures and troilite inclusions. Reg. No. 108 (1) . | 83 |
| | Piece nearly entirely edged with natural crust. An etched face shows symmetrical Widmanstätten figures. Reg. No. 108 (2) . . . | 110 |
| Found 1895 . . . | REED CITY, Osceola County, Michigan, United States of America.<br>Iron. Octahedrite, Hammond Group, Oh. Etched slab edged with crust. Shows coarse Widmanstätten figures with discontinuous taenite lamellae and inclusions of schreibersite. Reg. No. 158 . . . | 56 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1895 . . . | REED CITY—*contd.* According to Brezina this iron is a mollified coarse octahedrite, Oge. | |
| Fell 1824, January 15 . | RENAZZO, Ferrara, Italy. Stone. Black chondrite, Cs. Small fragment with crust. Interior black with large grey chondri and rusty spots. Reg. No. 71 . . . | 3 |
| Fell 1828, June 4 . . | RICHMOND, Henrico County, Virginia. United States of America. Stone. Crystalline spherical chondrite, Cck. Fragment from interior. Mottled light and dark grey, coarse, hard, dark chondri which sometimes attain a large size. Metallic grains rather rusted. Reg. No. 85 . . . . | 6·5 |
| Reported 1861 . . . | RITTERSGRÜN. *See also* STEINBACH. Thick slab partly edged with crust. The silicate portion has a greater area than the metallic. Reg. No. 107 (1) . . . . | 294 |
| | Thin slab, partly edged with crust. The silicate and metallic portions are about equally divided. Reg. No. 107 (2) . | 96 |
| Found 1892 . . . | ROEBOURNE, Western Australia. Iron. Medium octahedrite, Om. Etched slab, partly edged with natural crust. Octahedral figures dimly outlined, together with a few troilite grains. Reg. No. 139 . | 587 |
| | ROUGE RIVER MOUNTAINS, *see* PORT ORFORD. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Described 1850 . . | RUFF'S MOUNTAIN, Lexington County, South Carolina, United States of America. | |
| | Iron. Medium octahedrite, Om. Polished slab with a little crust. Reg. No. 91 . . | 141 |
| | Slab with two etched faces, showing characteristic Widmanstätten figures. Partly edged with crust. Reg. No. 91 (2) . . . . | 75 |
| | Etched slab, showing Widmanstätten figures. Partly edged with crust. Reg. No. 91 (3) . | 56 |
| | Thin slab, etched on one face and showing Widmanstätten figures. Reg. No. 91 (5) . | 15 |
| Found 1863 . . . | RUSSEL GULCH, Gilpin County, Colorado, United States of America. | |
| | Iron. Fine octahedrite, Of. Fragment with a little natural crust. An etched face shows a stippled appearance. Reg. No. 67 (1) . . . | 59 |
| | Fragment with a little crust. An etched face shows fine, indistinct, Widmanstätten figures. Reg. No. 67 (3) . | 33 |
| | Thin slab with a little natural crust. An etched face shows dim Widmanstätten figures. Reg. No. 67 (2) . . . | 40 |
| Fell 1885, August 16 . | *SABETMAHET*, near Balrampur, Gonda District, United Provinces. | |
| | Stone. Crystalline spherical chondrite, Cck. Small fragments with crust. Interior grey, much rusted, crystalline, with firm chondri, some of which project. Rather friable. Abundant metallic points. Crust thin, dull | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1885, August 16 . | *SABETMAHET—contd.* black, minutely scoriaceous. Reg. No. 191 . . . | 3 |
| | 1885: Medlicott: *Rec.. Geol., Surv. Ind.*, Vol. XVIII, pt. 4, pp. 237-238. | |
| Fell 1855, June 7 . . | SAINT DENIS-WESTREM, near Ghent, Belgium. Stone. Veined spherical chondrite, Cca. Small fragment with crust. Rather friable. Interior light ash-grey, with chondri and a few, shining, metallic points. Crust thin, dull black. Reg. No. 15 . | —— |
| Fell 1890, July 4 . . | ST. GERMAIN EN PUEL, Ille-et-Vilaine, France. Stone. Crystalline spherical chondrite, Cck. Piece with crust. Interior brownish-grey, hard, crystalline, with small projecting chondri. Crust thin, smooth, dull black. Reg No. 256 . . . | 55 |
| Fell 1886, May 30 . . | ST. MESMIN, Aube, France. Brecciated intermediate chondrite, Cib. Fragment with crust. Interior ash-grey, with lighter breccia patches, showing chondri of various sizes. Crust thin, dull brownish-black, minutely cracked, pitted. Reg. No. 140 (1) . . . . | 108 |
| | Small fragment with crust. Interior like previous specimen. Crust dull black, cracked, pitted. Reg. No. 140 (2) . . . . | 12 |
| | ST. NICHOLAS, *see* MÄSSING. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1898, November 15 . | SALINE TOWNSHIP, Sheridan County, Kansas, United States of America. | |
| | Stone. Crystalline spherical chondrite, Cck. Large polished slice, partly edged with crust. The latter is thin, black and rather rough. Interior black, compact, with abundant metallic grains. Reg. No. 228-A . . . | 630 |
| | Small fragment with crust. Like previous specimen. Reg. No. 228-B . . . . | 13·5 |
| Fell 1798, March 8 or 12 . | SALLES, Rhône, France. | |
| | Stone. Veined intermediate chondrite, Cia. Fragment with crust. Interior dirty grey, showing chondri and minute metallic points. Crust thin, greyish-black, cracked. Reg. No. 105 . . . | 19 |
| Described 1850 . . | SALT RIVER, Bullitt County, Kentucky, United States of America. | |
| | Iron. Finest octahedrite, Off. Small etched slab, partly edged with natural crust. Reg. No. 61 (2) . . . | 27 |
| | Small slab. Reg. No. 61 (3) . | 22 |
| Known 1824 . . . | SANTA ROSA (TOCAVITA), Boyaca Province, Columbia, South America. | |
| | Iron. Brecciated octahedrite, Zacatecas group, Obz. One small polished fragment. Reg. No. 19 (1) . . . | 1 |
| | One small rusted fragment. Reg. No. 19 (2) . . . | 2 |
| | Large slice, 24·5×15·5 cms., polished on one face. Shows characteristic, globular troilite inclusions. Original surface on two sides. Reg. No. 160. | 1,977 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| | SANTA ROSA, *see* COAHUILA. | |
| Found 1854 . . . | SAREPTA, Saratov, Russia.<br>Iron. Coarse octahedrite, Og. Irregular fragment with an etched face, showing indistinct Widmanstätten figures. The crust also exhibits distinct octahedral cleavage. Reg. No. 73 . . . | 60 |
| | SCHIE, *see* SKI. | |
| Found 1850 . . . | SCHWETZ, Prussia.<br>Iron. Medium octahedrite, Om. Large fragment cut on five surfaces, and showing crust. Reg. No. 83 . . | 159 |
| Fell 1871, May 21 . . | SEARSMONT, Waldo County, Maine, United States of America.<br>Stone. Spherical chondrite, Cc. Fragment with crust. The latter is thin, dull black, papillated. Interior grey, with chondri and metallic points. Reg. No. 64 . . | 5·6 |
| Recognised, 1847 . . | SEELÄSGEN, Brandenburg, Prussia.<br>Iron. Coarsest octahedrite, Ogg. Large mass with crust and two etched surfaces. Shows cleavage and irregular outlines of alloy plates. Crust deeply pitted. The specimen is breaking up. Reg. No. 110 (1) . . | 1,897 |
| | Slab with crust and two polished surfaces. Reg. No. 110 (2) . . . | 149 |
| | Irregular fragment with crust and polished surfaces. Reg. No. 110 (4) . . . | 38 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1853, March 6 . . | *SEGOWLIE*, near Bettiah, Champaran District, Bihar, India. | |
| | Stone. Crystalline chondrite, Ck. Greater part of a large stone, largely covered with crust. Interior dark greyish-brown, with outlines of chondri and a few small grains of nickel-iron. The matrix is traversed by a branching system of cracks. Crust thin, dull to glossy brownish-black. Over the greater part of the surface it is smooth, but in other places it bears pits. Small globules of a brown viscous liquid have exuded from the specimen. Reg. No. 184 (1) | 3,442 |
| | Large fragment with crust, not so superficially altered as the previous specimen. Interior firm, granular, speckled grey with very numerous well developed chondri. Crust thin, dull black, minutely cracked. Reg. No. 184 (2) . | 526 |
| | Slab with crust, polished and etched surfaces. The polished surfaces are of a dark greyish-black shade, the outlines of chondri and a few, very small, scattered metallic grains are visible. The fractured surfaces are stained a rusty brown and illustrate well the crystalline nature of the stone. Crust dull to glossy black, papillated. Reg. No. 184 (3*a*) . . | 159 |
| | Thick slab with crust, polished and fractured surfaces. Like previous specimen, but has a scoriaceous crust. Reg. No. 184 (3*b*) . . . | 83 |
| | Thick slab with crust, polished and fractured surfaces. Like | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1853, March 6 . . | *SEGOWLIE—contd.* | |
| | No. 184 (3*a*). Reg. No. 184 (3*c*) . . . . | 58 |
| | Almost complete individual, covered with crust, with the exception of a polished surface. Interior dark greyish-brown with very numerous dark chondri, up to 4 mms. in diameter, and some scattered metallic grains. Crust dull to glossy black, and dark brownish-black, smooth, with a few shallow pits. Reg. No. 184 (4) . . . | 157 |
| | Fragments and dust. Reg. No. 184 (3*d*) . . . | 0·4 |
| | 1854 : Sherwill : *Journ. Asiatic Soc., Bengal*, Vol. XXIII, pp. 746-747. | |
| Found 1850 . . . | SENECA FALLS, Seneca County, New York, United States of America. | |
| | Iron. Medium octahedrite, Om. Fragment showing natural and etched surfaces. Octahedral cleavage very distinct. Reg. No. 68 . | 61 |
| Found 1716 . . . | SENEGAL, Bambuk, West Africa. | |
| | Iron. Ataxite, Siratik group, Ds. Small fragment with two etched faces, showing no structure. Reg. No. 8 . | 1 |
| | Rusted fragments. Reg. No. 8 | 1 |
| | Fragment with crust and two etched faces, showing no structure. Reg. No. 36 . | 17 |
| | This specimen was formerly in Lettsom's collection and was said to have been brought from Senegal. Date unknown. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1818, June . . | SERES, Macedonia, Turkey. Stone. Grey chondrite, Cg. Fragment from interior, with one polished face. Interior dark-grey and rusted, with lighter chondri, and many metallic grains. Reg. No. 86 | 11 |
| Fell 1850, November 30 . | *SHALKA*, Bishnupur, Bankura District, Bengal, India. Stone. Chladnite, Chl. Large mass partly covered with crust. Interior, texture coarse and very friable, largely made up of big, dark green and greenish-grey bronzite crystals. It is traversed by a few, thin, light coloured veins. Crust thin, smooth, reddish-black, traversed by a system of minute cracks. Reg. No. 174 . . . | 1,366 |
| | Fragment with crust. Interior like previous specimen, but rather more broken. Crust rougher and rather scoriaceous. Reg. No. 174 (2) . | 266 |
| | Fragments, some of which bear crust, and dust. Reg. No. 174 (5) . . . | 558 |
| | 1851 : Piddington : *Journ. Asiatic Soc., Bengal*, Vol. XX, pp. 299-307. | |
| Fell 1865, August 26 . | *SHERGHOTTY*, Gya, Bihar, India. Stone. Shergottite, She. Main mass of the stone, covered for the greater part with crust. Interior pale greenish-grey, crystalline, rather friable, showing abundant, long, rod-like augite crystals. Crust thin, dull black, with the exception of the network of scoria lines, which are shining black and give a roughened appearance to the | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Described 1865, August 26 . | *SHERGHOTTY—contd.* | |
| | crust. On one side they seem to have a radial flow structure. Reg. No. 179 . . | 4,058 |
| | Fragment from interior. The augite crystals are seen to be somewhat lighter than the main mass of the stone. Reg. No. 179 (3) . . | 26 |
| | Fragments and dust. Reg. No. 173 (4) . . . | 7 |
| | 1865: Bayley and Costley: *Proc., Asiatic Soc., Bengal*, pp. 193-195. | |
| **Fell April, 1912 . .** | *SHUPIYAN*, Kashmir, India. | |
| | Stone. Brecciated grey chondrite, Cgb. Piece with crust. Interior light ash-grey, with a few chondri and rust spots. Crust thin, dull black with pittings and drift lines. Reg. No. 257 . . . . | 294·5 |
| | 1915: Coggin Brown: *Rec., Geol. Surv. Ind.*, Vol. XLV, pp. 221-223. | |
| **Fell 1863, August 11 .** | *SHYTHAL*, Madhupur Jungle, Mymensingh District, Bengal. | |
| | Stone. Brecciated intermediate chondrite, Cib. Greater part of complete individual. Interior firm, dirty greyish ground mass with dark greyish-brown breccia lines and patches, small greyish-white chondri, rusted spots and tiny metallic grains. Crust thin, dull to shining black, minutely blebby, with large irregular pittings. The brecciated structure of this stone is beautifully clear. Reg. No. 176 (1) . . . | 1,566 |
| | Greater part of another individual, with similar characters. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1863, August 11 . . | *SHYTHAL—contd.* | |
| | This stone has been broken into three pieces and re-cemented. Reg. No. 176 (2) | 918 |
| | Fragment from interior, showing brecciation. Reg. No. 176 (3) . . . . | 25 |
| | Fragment from interior, showing brecciation. Reg. No. 176 (5) . . . . | 23 |
| | Fragment from interior, showing brecciation. Reg. No. 176 (8) . . . | 16 |
| | Fragment from corner, with crust. Reg. No. 176 (7) . | 15 |
| | Fragment with crust, showing brecciation. Reg. No. 17 (9) | 9 |
| | Two fragments with crust. Reg. No. 176 (10) . . | 1 |
| | 1863 : Haidinger : *Wien. Akad. Ber.*, Vol. XLVIII, Pt. 2, pp. 595-600. 1865 : *Proc. Asiatic Soc., Bengal.* p. 39. | |
| Fell 1794, June 16 . . | SIENA, Cosona, Tuscany, Italy. Stone. Howarditic chondrite, Cho. Complete individual almost entirely crusted. Interior greyish-white with rusty stains and a few badly formed black chondri. Crust thin, dull black with bright black patches, pitted, traversed by minute irregular cracks, and spotted with rust. Reg. No. 152 . . | 156 |
| | Small fragment with crust. Interior shows olivine crystals. Reg. No. 152 . . | 5 |
| | Small fragment with crust. Reg. No. 152 . . . | 1 |
| | SIERRA DE CHACO, *see* VACA MUERTA. | |
| | SIERRA DE DEESA, *see* COPIAPO. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1901, June 10, 11 P.M. | *SINDHRI*, Khipro Taluq, Thar and Parkar District, Bombay. Stone, Spherical chondrite, Cc. Large mass partly covered with crust. Interior friable, light grey speckled with light brown; very numerous, small, grey, spherical chondri are abundantly distributed throughout the stone and most of them project. Crust thin, dull black, slightly scoriaceous, minutely cracked. Reg. No. 220-A. . . | 3,333 |
| | Fragment with crust. Like previous specimen, but also contains a few larger chondri. Reg. No. 220-D. . . | 290 |
| | Thin slice with a little crust. One polished face showing round chondri and abundant, shining, metallic grains in a granular, brownish-grey groundmass. Reg. No. 220 G. 1 . . . . . | 40 |
| | Thin slice with a little crust. Like previous specimen. Reg. No. 220-G. 2 . . | 66 |
| | Fragment with crust. Like No. 220-D. Reg. No. 220-G. 2 . . . . . | 38 |
| | Thin slice edged with a little crust. One polished face. Like No. 220-G. 1. Reg. No. 220-G. 3 . . . | 32 |
| | Small fragment with one smoothed face and a little crust. Reg. No. 220-G. 5 . | 4 |
| | Fragments and dust. Reg. No. 220-I. . . . . | 317 |
| Fell 1875, March 4 . . | *SITATHALI*, Raipur District, Central Provinces, India Stone. Howarditic chondrit Cho. Large mass, the great part of which is covered with | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1875, March 4 . . | *SITATHALI—contd.* crust. The latter is thin, dull black, pitted on one side. Interior greyish-brown, fine-grained, granular. Reg. No. 171 . . . . | 935 |
| | 1876 : Medlicott : *Proc., Asiatic Soc., Bengal*, pp. 115-116. | |
| Fell 1848, December 27 . | SKI (SCHIE), Amt Akershuus, Norway. Stone. Veined white chondrite, Cwa. Small fragments with crust. Interior light grey with chondri and metallic points. Reg. No. 11 . | —— |
| Fell 1868, May 22 . . | SLAVETIC, Agram, Croatia, Austria. Stone. Brecciated grey chondrite, Cgb. Fragment with crust and four polished surfaces. Interior grey, mottled with brown, showing darker breccia lines, abundant large chondri, and many evenly distributed bright metallic grains. Crust thin, dull black, blebby. Reg. No. 110 | 23 |
| Fell 1818, August 10 . | SLOBODKA, Smolensk, Russia. Stone. Spherical chondrite, Cc. Fragment with crust. The latter is thin and dull black. Interior rusted light grey, with small projecting chondri, and a few shining metallic points. Reg. No. 46 (1) . | 2 |
| | Fragment from interior. Light grey with chondri and metallic points. Reg. No. 46 (2) . . . . | 1 |
| | Fragment from interior. Ash-grey with well developed, projecting chondri. Reg. No. 21 . . . . . | —— |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1818, August 10 . . | SLOBODKA—*contd.*<br>In Fedden's catalogue this fall is termed "Poltava Government, Little Russia. 1838 *ante*." Its characters agree well with those of the Slobodka meteorite, at one time known as Poltava, which fell on August 10th, 1818. | |
| Found 1840 . . . | SMITHLAND, Livingston County, Kentucky, United States of America.<br>Iron. Ataxite, Babbsmill group, Db. Etched slab showing a delicate, granular structure, Reg. No. 60 . . . | 36 |
| Found 1892-93 . . . | SMITHVILLE, De Kalb County, Tennessee, United States of America.<br>Iron. Coarse octahedrite, Og. Slab with natural edge and three etched faces. No Widmanstätten figures are visible but there are abundant troilite nodules and flakes of schreibersite. Reg. No. 141 . . . . . | 164 |
| Described 1845 . . . | SMITHVILLE (DE KALB COUNTY OR CARYFORT), De Kalb County, Tennessee, United States of America.<br>Iron, Coarse octahedrite, Og. Small piece showing natural and polished surfaces. Reg. No. 38 . . . . | 14 |
| Fell 1877, October 13 . | SOKO-BANJA, near Alexinatz, Servia.<br>Stone. Spherical chondrite, Cc. Large fragment with crust. Interior light grey with large protruding chondri, | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1877, October . . | SOKO-BANJA—*contd.* | |
| | and a few grains of troilite and nickel-iron. Very friable. Crust thin, dull black, minutely scoriaceous. Reg. No. 236 . . | 71 |
| | Fragment with crust. Like previous specimen. Reg. No. 236 . . . . | 5 |
| Fell 1808, May 22 . . | STANNERN, Moravia, Austria. | |
| | Stone. Eukrite, Eu. Large fragment partly covered with crust. The latter is thin, vitreous, shining black, pitted and marked by flow lines. Interior fine-grained, greenish-grey to light grey speckled with white, brecciated. Reg. No. 165 (1) . | 308 |
| | Almost complete individual. Angles only slightly rounded. Like previous specimen. Reg. No. 165 (2) . . | 156 |
| | Fragment with crust which is in alternating bands of dull greyish-black and shining black. Reg. No. 165 (6) | 3 |
| Found 1858 . . . | STAUNTON, Augusta County, Virginia, United States of America. | |
| | Iron, Medium octahedrite, Om. Large slab, 14 × 15 cms., polished on one face and etched on the other. Original crust on two edges. Shows beautiful and distinct Widmanstätten figures. Reg. No. 111 . . . . | 709 |
| Found 1857, March 24 . | STAVROPOL, Northern Caucasus, Russia. | |
| | Stone. Crystalline chondrite, Ck. Fragment from interior, with two polished surfaces. Dark grey, fine granular, | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1857, March 24 . . | STAVROPOL—*contd.* compact, with small dark chondri and a few, small, metallic grains. Reg. No. 40 | 1·3 |
| Reported 1751 . . . | STEINBACH (*see* BREITENBACH and RITTERSGRÜN), Erzegebrige, Saxony and Bohemia. Iron-Stone. Siderophyre, Si. Fragment edged with crust. One side shows a few silicate grains set in metal which exhibits Widmanstätten figures. The other face is entirely metallic and also shows the same kind of figures. Reg. No. 41 . . | 14 |
| | Rusted fragments and silicate grains. Reg. No. 41 . . | 1·3 |
| | According to Fletcher, Steinbach, Rittersgrün, and Breitenbach are within five English miles of each other on the borders of Saxony and Bohemia, and the siderolites probably fell at the same time. | |
| Fell 1865, January 19 . | *SUPUHEE*, near Padrauna, Gorakhpur District, United Provinces. Stone. Brecciated grey chondrite, Cgb. Fragment with crust, cut and polished on four faces. Interior rusted grey with broad, black, brecciation patches. Chondri and fine, scattered, metallic grains abundant. Crust thin, glossy black, irregular and pitted. Reg. No. 114 . | 28 |
| | 1869 : Buchner : *Vierter Nachtrag, Pogg. Ann.*, Vol. CXXXVI, p. 455. | |
| Described 1855 . . . | TABARZ, near Gotha, Germany. Iron. Coarse octahedrite. Og. Fragment with crust and polished surfaces. Reg. No. 24 | 6 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1753, July 3 . . | TABOR, Bohemia, Austria. | |
| | Stone. Brecciated spherical chondrite, Ccb. Fragment with crust. Interior light grey with darker protruding chondri and rusted spots. Crust dull black, thin. Reg. No. 42 . . . | 1·7 |
| Fell 1887, August 30 . . | TABORY (OCHANSK), Perm, Russia. | |
| | Stone. Brecciated spherical chondrite, Ccb. Fragment from interior. One face smoothed. Speckled grey. and bluish-grey, with large, dark chondri and numerous, small, metallic grains. Reg. No. 194 . . . . | 11 |
| | Small fragments. Reg. No. 194 | —— |
| | TANEY COUNTY, *see* MINCY. | |
| Found 1853 . . . | TAZEWELL, Claiborne County, Tennessee, United States of America. | |
| | Iron. Finest octahedrite, Off. Piece with rather rusted crust and an etched surface showing abundant, delicate Widmanstätten figures. Reg. No. 92 (1) . . . . | 158 |
| | Thin slab with natural edge, sawn and etched surfaces, showing the same typical figures. Reg. No. 92 (2) . | 93 |
| | Thin slab with natural edge, polished and etched surfaces. The Widmanstätten figures are not so distinct. Reg. No. 92 (3) . . . . | 78 |
| | Fragment with natural and polished surfaces. Reg. No. 92 (5) . . . . | 16 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Described 1886 . . . | THUNDA, Windorah, Diamantina District, Queensland. | |
| | Iron. Medium octahedrite, Om. Thin sawn slab. An etched face shows regular and distinct Widmanstätten figures. Reg. No. 137 . | 55 |
| Fell 1807, March 25 . . | TIMOCHIN, Juchnov, Smolensk, Russia. | |
| | Stone. Spherical chondrite, Cc. Fragment with crust and two polished surfaces. Interior dirty grey, rusted, coarse, compact, with numerous, large, dark chondri and abundant metallic grains. Crust thin, dull black, papillated. Reg. No. 104 . . | 16 |
| | TOCAVITA, *see* SANTA ROSA. | |
| Found 1784 . . . | TOLUCA, Mexico. | |
| | Iron. Medium octahedrite, Om. Etched slab, 23 × 15 cms., showing Widmanstätten figures and large nodules of troilite. Reg. No. 122 (1) . | 2,348 |
| | Complete individual, roughly hemispherical, deeply pitted on one side. Shows a strong tendency to decompose and scale. Reg. No. 122 (2) . | 1,600 |
| | Elongated individual, complete with the exception of one end, which has been cut off, and the face polished. Reg. No. 112 (3) . . . | 993 |
| | Section of crescentic individual, 14 × 7 cms., entirely edged with crust, and etched on both faces. The Widmanstätten figures are very regular and distinct. Troilite nodules are also present. Reg. No. 112 (4) . . . | 479 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1784 . . . | TOLUCA—*contd.* | |
| | Thick slab edged on one side with crust, five polished and one etched face, showing the usual Widmanstätten figures. Contains large troilite inclusions. Reg. No. 112 (5) . | 353 |
| | Complete individual. Surface covered with crust. Reg. No. 112 (6) . . . | 328 |
| | Thin section, etched on both sides, showing indistinct Widmanstätten figures. Reg. No. 112 (7) . . . | 299 |
| | The removed counterpart of No. 112 (3), with one etched face showing Widmanstätten figures. Reg. No. 112 (8) . | 184 |
| | Thin, crescentic section of a complete individual. Etched on one face, showing indistinct Widmanstätten figures, large and vein-like troilite inclusions. Reg. No. 112 (9) | 173 |
| | Triangular slab with natural crust on one edge. Etched faces show rather distinct Widmanstätten figures and a troilite nodule. Reg. No. 112 (10) . . . . | 165 |
| | Irregular fragment, cut and etched on six faces. The Widmanstätten figures are very distinct. Reg. No. 112 (11) . . . . | 127 |
| | Half of complete, elongated individual. An etched face shows Widmanstätten figures. Crust shows a tendency to rust. Reg. No. 112 (12) . | 538 |
| Found 1886 . . . | TONGANOXIE, Leavenworth County, Kansas, United States of America. | |
| | Iron. Medium octahedrite, Om. Complete slice, edged with crust. An etched face | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1886 . . . | TONGANOXIE—*contd.* shows Widmanstätten figures. Slab somewhat cracked. Reg. No. 145 . . . | 140 |
| Fell 1911, January 22 . | *TONK* (*CHHABRA*), Rajputana, India. Stone. Carbonaceous chondrite, K. Fragments of a structureless, irregularly cracked mass, varying in colour from dark-brown to black, and in lustre from vitreous to dull. On some of the fragments, small, white tufts of acicular crystals have formed. Reg. No. 255 . | 6 |
| | 1914: Christie: *Rec., Geol. Surv. Ind.*, Vol. XLIV, Pt. 1, pp. 41-51. | |
| Fell 1812, April 10 . . | TOULOUSE, Haute-Garonne, France. Stone, Veined intermediate chondrite, Cia. Fragment with crust. Interior ash-grey, showing numerous small, light chondri. Crust thin, dull black with spots of fused metallic matter. Reg. No. 50 . . . | 2 |
| Fell 1863, December 7 . | TOURINNES-LA-GROSSE, Brabant, Belgium. Stone. White chondrite, Cw. Cubical fragment with crust on two faces. The latter is thin, dull to glossy black, papillated. Interior dirty white, fine-grained, showing chondri and abundant shining metallic points. Reg. No. 99 . . . . . | 16 |
| | Fragment from interior. Light grey with minute metallic points. Reg. No. 99 . . | 1 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1858 | TRENTON, Washington County, Wisconsin, United States of America. | |
| | Iron. Medium octahedrite, Om. Thin slab with natural, polished and etched surfaces. The latter shows typical Widmanstätten figures. Reg. No. 126 | 53 |
| Fell 1856, November 12 | TRENZANO, Brescia, Italy. | |
| | Stone. Veined spherical chondrite, Cca. Fragment with crust. The latter is thin, smooth, dull to shining black. Interior dark grey, speckled with rust, granular, compact, with dark, spherical chondri, and abundant, shining, metallic grains. Reg. No. 109 | 28 |
| Recognised 1851 | TUCSON, Pima County, Arizona, United States of America. | |
| | Iron. Ataxite, Muchachos group, Dm. Thin polished slab with crust. Reg. No. 65 (1) | 24 |
| | Thin polished slab with crust. Reg. No. 65 (2) | 22 |
| | Thin polished slab with crust. Reg. No. 65 (3) | 14 |
| | Rectangular mass with five polished and etched surfaces showing the typical stippled appearance of this iron. Reg. No. 65 (5) | 287 |
| | Small fragment with a polished face. Reg. No. 65 (4) | 3·5 |
| | TUCUMAN, *see* CAMPO DEL CIELO. | |
| Found 1846 | TULA (NETSCHAJEVO), Russia. | |
| | Iron. Brecciated octahedrite, Netschajevo group, Obn. Thick slab with polished and natural surfaces. One of the | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Known 1846 . . . | TULA (NETSCHAJEVO)—*contd.* former shows an elongated inclusion of granular silicates and iron. Reg. No. 94 (1) . | 192 |
| | Irregular piece with two polished surfaces. Reg. No. 94 (2) . | 134 |
| Fell 1840, June 12 . . | UDEN, North Brabant, Holland. Stone. Brecciated white chondrite, Cwb. Fragment with crust. Interior greyish-white, with indistinct outlines of chondri. Crust thin, dull black. Reg. No. 25 . | 0·6 |
| Fell 1866, April . . . | *UDIPI*, South Kanara District, Madras, India. Stone. Veined grey chondrite, Cga. Corner fragment with crust and two polished surfaces. Interior dark grey with abundant chondri, and numerous metallic grains often congregated together. Crust thin, dull black, papillated and pitted. Reg. No. 126 . . . . . | 55 |
| | 1844 : Meunier : Météorites, p. 209.<br>1885 : Brenzina : *Wiener Sammlung*, pp. 182 and 233. | |
| Fell 1822-23 . . . | *UMBALA*, Punjab, India. Stone. Veined grey chondrite, Cga. Fragment from interior, with one polished surface. Interior light grey, with chondri, a few scattered bright grains of nickel-iron and some troilite. Traversed by a thick, branching, black vein. Shows signs of slickensiding. Reg. No. 119 | 35 |
| | 1859 : Atkinson : *Proc., Asiatic Soc. Bengal*, Vol. XXVIII, p. 260. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1853 . . | UNION COUNTY, Georgia, United States of America.<br>Iron. Coarsest octahedrite, Ogg. Fragment with crust, two polished and one etched surface showing Widmanstätten figures. Reg. No. 49 . | 34 |
| | UNKNOWN.<br>Stone. Veined intermediate chondrite, Cia. Large fragment cut and polished on one side, showing chondri in a grey groundmass, flecked with rust spots. Numerous fine grains of nickel-iron are evenly distributed through the stone, which is traversed by a series of thin, parallel, black veins. Crust thin, dull black, papillated and pitted. Reg. No. 147 . . . | 198 |
| | UNKNOWN.<br>Iron-Stone. Pallasite ? Slab with polished and natural surfaces. The former shows large silicate grains and inclusions set in the nickel-iron mass. Reg. No. 84 . | 122 |
| Fell 1843, June 2 . . | UTRECHT, Holland.<br>Stone. Veined spherical chondrite, Cca. Fragments with crust. The latter is thin, dull black and papillated. Interior light grey with small, darker chondri, and a few metallic points. Reg. No. 17 . . . | 0·6 |
| Known 1861 . . . | VACA MUERTA (SIERRA DE CHACO), Atacama, Chili.<br>Iron-Stone. Grahamite, Mg. Fragment with crust, one polished surface showing metallic and non-metallic | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Known 1861 . . . | VACA MUERTA (SIERRA DE CHACO)—*contd.* minerals. There are two large patches of the latter, with the exception of which the material is about equally distributed. Reg. No. 35 . | 2·7 |
| Fell 1880, May . . . | VERAMIN, Teheran, Persia. Iron-Stone. Mesosiderite, M. Six fragments from interior. Reg. No. 150 . . . | 6 |
| Found 1876 . . . | VERKHNE-DNIEPROVSK (EKATERINOSLAV), Ekaterinoslav, Russia. Iron. Finest octahedrite, Off. Oxidised fragment. Reg. No. 50 . . . . . | 33 |
| Found 1854 . . . | VERKHNE—UDINSK, Transbaikal, Siberia. Iron. Medium octahedrite, Om. Irregular mass showing crust on two sides, with four etched faces showing very distinct Widmanstätten figures. Reg. No. 96 . . . | 242 |
| Fell 1862 . . . . | VICTORIA WEST, Cape Province, South Africa. Iron. Fine octahedrite, Victoria group, Ofv. Large fragment with natural and polished surfaces. Reg. No. 95 . . . . . | 224 |
| Fell 1906, December 15, about 9-30 A.M. | *VISHNUPUR*, Bankura District, Bengal, India. Stone. Brecciated intermediate chondrite, Cib. Almost complete stone. Fresh fractures at the corners are of a light grey colour, with angular, darker pieces. The structure closely resembles | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1906, December 15, about 9·30 A.M. | *VISHNUPUR—contd.* that of a volcanic tuff. Minute chondri, and tiny, metallic grains are visible. Crust dull black, minutely scoriaceous and finely granular, with flow striæ on one side. Thumb marks and pittings are also present. Reg. No. 248-B. . . | 1,767 |
| | 1912 : Cotter : *Rec., Geol. Surv. Ind.*, Vol. XLII, Pt. 4, pp. 266-268. | |
| Fell 1831, May 13 . . | VOUILLÉ, near Poitiers, Vienne, France. Stone. Veined intermediate chondrite, Cia. Fragment with crust. Interior, grey, compact, with indistinct outlines of chondri and numerous, fine, metallic grains. Crust thin, dull black, smooth. Reg No. 134 . . . | 52 |
| Found 1874 . . . | WACONDA, Mitchell County, Kansas, United States of America. Stone. Brecciated spherical chondrite, Ccb. Fragment from interior. Light grey, with a few chondri and rust spots. Reg. No. 204 (*a*) . . . . | 64 |
| | A very rusted and decomposing fragment. Reg. No. 204 (*b*). | 18 |
| Found 1832 . . . | WALKER COUNTY, Alabama, United States of America. Iron. Normal Hexahedrite, H. One small polished slab with natural edge in part. Reg. No. 40 . . . . | 13 |
| | WASHINGTON, *see* FARMINGTON. | |
| | WAYNE COUNTY, *see* WOOSTER. | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1831, September 9 | WESSELY, Hradisch, Moravia, Austria. | |
| | Stone. Veined grey chondrite, Cga. Fragment with crust. Interior light grey showing a few outlines of chondri. Crust thin, dull black, smooth. Reg. No. 62 | 2 |
| Fell 1807, December 14 | WESTON, Fairfield County, Connecticut, United States of America. | |
| | Stone. Brecciated spherical chondrite, Ccb. Fragment with crust. Interior divided into two well-marked and sharply defined breccia-like patches of bluish-grey and yellowish-grey shades. The small spherical chondri, many of which project, give this stone the appearance of a fine-grained grit. A large troilite inclusion occupies one corner. Crust thin, dull black, scoriaceous. Reg. No. 150 | 72 |
| | Fragment with crust, shows larger chondri. Reg. No. 150 (2) | 34 |
| | Fragment with crust. Like first specimen. Reg. No. 150 (3) | 7 |
| | Two fragments from interior. Like first specimen. Reg. No. 150 (4) | 7 |
| Known 1836 | WICHITA COUNTY, Texas, United States of America. | |
| | Iron. Coarse octahedrite, Og. Slab with natural and etched surfaces. The latter shows coarse Widmanstätten figures and troilite inclusions. Reg. No. 135 | 281 |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Known 1836 . . . | WICHITA COUNTY—*contd.*<br>Small fragment with natural and etched surfaces. The latter show a few flakes of scheribersite and small troilite nodules. Reg. No. 39 . | 13 |
| | WINNEBAGO COUNTY, *see* FOREST CITY. | |
| | WÖHLER'S METEORITE, *see* CAMPO DEL CIELO. | |
| Fell 1795, December 13 . | WOLD COTTAGE, Yorkshire, England.<br>Stone. Veined white chondrite, Cwa. Fragment from interior with two polished surfaces. Greyish-white, with rather indistinct chondri and a few scattered, metallic grains. A thin, branching, black vein traverses the specimen. Reg. No. 120 . | 36·5 |
| Recognised 1858 . . | WOOSTER, (WAYNE COUNTY), Ohio, United States of America.<br>Iron. Medium octahedrite, Om. Thin fragment with natural edge and etched faces. The latter show typical figures. Reg. No. 15 . . | 2 |
| | XIQUIPILCO, *see* TOLUCA. | |
| | YANHUITLAN, *see* MISTECA. | |
| Fell 1852 January, 23. . | *YATOOR*, near Nellore, Madras.<br>Stone. Spherical chondrite, Cc. Fragment with two smoothed surfaces. Interior grey, very rusted, coarse and firm. Well developed, dark, spherical chondri are very numerous, and some of them project unbroken on the fractured surface. Grains of | |

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Fell 1852, January 23 . . | *YATOR—contd.* nickel-iron are abundant, and are evenly distributed throughout the mass. Reg. No. 116 . . . . | 30 |
| | 1861 : Haidinger : *Wien Akad. Ber.*, Vol. XLIV, Pt. 2, pp. 73-74. | |
| Found 1884 . . . | YOUNDEGIN, Western Australia. Iron. Coarse octahedrite, Og. Sawn slab edged for the greater part with a rough crust. Reg. No. 117 . . | 85 |
| Fell 1818, April 11 . . | ZABORZIKA, Volhynia, Russia. Stone. Veined white chondrite, Cwa. Fragment from interior, light grey with indistinct chondri, rust spots, and a few metallic points. Reg. No. 35 . . . | 1·5 |
| Mentioned 1792 . . | ZACATECAS, Mexico. Iron. Brecciated octahedrite, Zacatecas group, Obz. Large irregular fragment, with crust. The latter is marked with broad pits. An etched face shows distinct Widmanstätten figures, round and elongated troilite grains. Reg. No. 109 (1) . . . | 611 |
| | Irregular fragment, completely covered with a rough, rusted surface. Reg. No. 109 (2) . | 34 |
| Fell 1824, October 14 . | ZEBRAK, Bohemia, Austria. Stone. Spherical chondrite, Co. Fragments with crust. The latter is thin and dull black. Interior ash-grey, rusted, friable, showing chondri and minute metallic grains. Reg. No. 36 . . . . | 1·5 |

# APPENDIX.

Since this catalogue was prepared the following specimens have been received into the collection.

| | | gms. |
|---|---|---|
| Reg. | No. 260.—Hendersonville, Henderson Co., North Carolina. | 116·8 |
| „ | 261.—Modoc, Kansas | 37·0 |
| „ | 262.—Long Island, Kansas | 52 |
| „ | 263.—Holbrook, Arizona | 114·7 |
| „ | 264.—Cullison, Kansas | 48·0 |
| „ | 265.—Crab Orchard, Cumberland, county, Tenn | 40·0 |
| „ | 266.—Visuni, Umarkot Taluk, district Thar and Parkar, Sind, Bombay Cck. | 594·0 |
| „ | 267.—St. Mark's, Transkei, S. Africa | 83·1 |
| „ | 268.—Jackalsfontein | 54·2 |
| „ | 269.—Crumlin, county Antrim, Ireland | 38·7 |
| „ | 270.—Oshima, Satsuma, Kinsiu, Japan | 233·1 |
| „ | 271.—Zomba, British Central Africa | 27·9 |
| „ | 272.—Eli Elwah, Hay, Waradgery Co., N. S. Wales | 75·0 |
| „ | 273.—Ekh Khera, Bisauli tahsil, Budaun dist. Rohilkhand. | 841·1 |

IRONS.

| | | |
|---|---|---|
| „ | 162.—Williamstown, Kentucky, United States of America. | 132·5 |
| „ | 163.—Perryville, Missouri, United States of America | 98·2 |
| „ | 164.—Matatiela, Griqualand East, South Africa | 78·8 |
| „ | 165.—Uwet, Southern Nigeria, West Africa | 254·8 |
| „ | 166.—Barranca Blanca, between Copiapo and Patamarca, South America. | 49·0 |

## CASTS OF METEORITES.

Before meteorites are broken up for distribution casts of them are sometimes prepared, and a representation of the size and shape and any peculiarities of outward structure which they may possess is thus preserved. The Calcutta collection contains the following models of original masses :—

| | Register No. | | Register No. |
|---|---|---|---|
| Akbarpur | 15 | Kodaikanal | 31 |
| Ambapur Nagla | 29 | Launton | 18 |
| Butsura | 2 | Linum | 17 |
| Bhagur | 37 | Mau | 22 |
| Bishunpur | 27 | Menow | 5 |
| Bori | 26 | Mooresfort | 25 |
| Bustæ | 10 | Moti-ka-nagla | 13 |
| Dokachi | 34 | Nedagolla | 16 |
| Donga Kohrod | 32 | Parnallee | 1 |
| Dundrum | 12 | Pulsora | 20 |
| Durala | 3 | Segowlie | 6 |
| Futtehpur | 23 | Shythal | 9 |
| Gambat | 30 | Sierra de Chaco | 19 |
| Gopalpur | 14 | Ski | 21 |
| Goalpara | 11 | Sindhri | 33 |
| Kalambi | 38 | Supuhee | 7 |
| Khairpur | 35 | Udipi | 8 |
| Kaee | 24 | Yatoor | 4 |

## TERRESTRIAL IRONS.

The following native irons of terrestrial origin are catalogued here because they are closely related in composition to iron meteorites :—

| Date of Fall or Find. | Name and Description. | Weight in Grammes. |
|---|---|---|
| Found 1870 . . . | OVIFAK (FORTUNE BAY), Disco Islands, West Greenland. | |
| | Mass of rusting and decomposing iron. Reg. No. 75 . | 100 |
| 1861 . . . . | UPERNAVIK, North-West Greenland. | |
| | A small piece of iron said to have been obtained together with 7 or 8 similar pieces, from an Esquimau, by Dr. Kane on his expedition in search of Sir John Franklin. | |
| | Reg. No. 4 . . . | 0·5 |
| Known 1873 . . | SANTA CATHARINA, Rio San Francisco do Sul, Brazil. This iron is regarded by most mineralogists as probably of terrestrial origin. While its true nature is in doubt it seems best to classify it as terrestrial. | |
| | Spheroidal mass, apparently completely altered to a yellowish-brown limonite. Part of the surface is pitted by decay. Reg. No. 205 . | 240 |

## PSEUDO-METEORITES.

Specimens which have been described as meteorites, but which are now regarded as spurious:

Aachen, Rhenish Prussia. Reg. No. 33.
Belmont, France. Reg. No. 2.
Ben Baig, Ayrshire, Scotland. Reg. No. 103.
Campbell County, Tennessee, United States of America. Reg. No. 20.
Gross-Kamsdorf, Saxony, Reg. No. 116.
Haywood County, North Carolina, United States of America. Reg. No. 3.
Heidelberg, Germany. Reg. No. 48.
Hommoney Creek, North Carolina, United States of America. Reg. No. 72.
Long Creek, New York, United States of America. Reg. No. 115.
New Haven, Connecticut, United States of America. Reg. No. 114.
Newstead, Roxburghshire, Scotland. Reg. No. 87.
Randolph County, North Carolina, United States of America. Reg. No. 22.
Richland, South Carolina, United States of America. Reg. No. 44.
Rutherford County, North Carolina, United States of America. Reg. No. 55.
St. Augustine's Bay, Madagascar. Reg. No. 17.
Scriba, New York, United States of America. Reg. No. 63.
Sterlitamak, Russia. Reg. No. 5.
Transylvania. Reg. No. 74.
Waterloo, New York, United States of America. Reg. No. 77.

## MICROSECTIONS.

Thin sections have been made of the following meteorites :—

Ambalpur Nagla.
Banswal.
Baroti.
Bustee.
Bholgati.
Bishopville.
Bishunpur.
Bori.
Chainpur.
Dandapur.
Ghambat.
Kakangarai.
Karkh.
Kohar.
Lakangaon.
Lodran.
Manbhoom.
Mirzapur.
Nagaria.
Shalka.
Shergotty.
Sindhri.
Tonk.

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